

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052022\
 Data File : VU048642.D
 Acq On : 20 May 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

Quant Time: May 21 04:32:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	230012	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	225771	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	136706	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	46707	33.154	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.300%
7) Chloroethane-d5	1.912	69	40087	37.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.960%
11) 1,1-Dichloroethene-d2	2.572	63	130563	40.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.960%
21) 2-Butanone-d5	4.626	46	118069	88.068	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.070%
24) Chloroform-d	5.067	84	163160	45.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
26) 1,2-Dichloroethane-d4	5.703	65	113323	45.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.240%
32) Benzene-d6	5.729	84	265207	42.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.420%
36) 1,2-Dichloropropane-d6	6.694	67	80125	43.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.880%
41) Toluene-d8	7.899	98	259603	43.925	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	8.179	79	50684	42.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.940%
47) 2-Hexanone-d5	8.636	63	88332	87.318	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.320%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	133241	43.652	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.300%
66) 1,2-Dichlorobenzene-d4	12.195	152	122375	43.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	115840	46.865	ug/L	100
3) Chloromethane	1.523	50	60121	39.420	ug/L	98
5) Vinyl chloride	1.604	62	71238	43.909	ug/L	100
6) Bromomethane	1.858	94	55494	47.380	ug/L	98
8) Chloroethane	1.935	64	43235	45.275	ug/L	98
9) Trichlorofluoromethane	2.141	101	154010	48.626	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	81264	50.317	ug/L	96
12) 1,1-Dichloroethene	2.581	96	71729	47.930	ug/L	99
13) Acetone	2.633	43	115331	105.887	ug/L	99
14) Carbon disulfide	2.797	76	199695	45.982	ug/L	100
15) Methyl Acetate	2.951	43	82564	44.415	ug/L	99
16) Methylene chloride	3.047	84	83382	47.859	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	79479	49.241	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	275259	49.153	ug/L	99
19) 1,1-Dichloroethane	3.871	63	144253	48.816	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	88287	48.502	ug/L	94
22) 2-Butanone	4.707	43	130398	94.289	ug/L	98
23) Bromochloromethane	4.977	128	49302	48.810	ug/L	93
25) Chloroform	5.089	83	171396	49.691	ug/L	98

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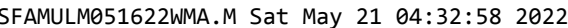
Instrument :
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 ClientSampleId :
 VSTD050136

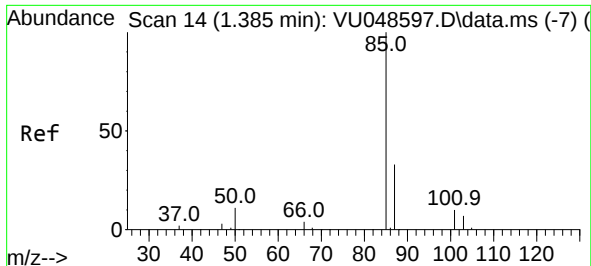
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	148901	50.323	ug/L	100
29) Cyclohexane	5.391	56	106905	46.101	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	170197	49.787	ug/L	97
31) Carbon tetrachloride	5.526	117	157712	50.623	ug/L	99
33) Benzene	5.774	78	319870	48.494	ug/L	100
34) Trichloroethene	6.546	95	91687	49.131	ug/L	96
35) Methylcyclohexane	6.764	83	128100	47.835	ug/L	99
37) 1,2-Dichloropropane	6.793	63	76728	46.521	ug/L #	96
38) Bromodichloromethane	7.108	83	133691	50.100	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	136265	48.391	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	227296	90.307	ug/L	97
42) Toluene	7.970	91	361783	50.322	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	148824	50.115	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	86043	48.716	ug/L	97
46) Tetrachloroethene	8.555	164	79145	51.973	ug/L	99
48) 2-Hexanone	8.687	43	189197	87.734	ug/L	98
49) Dibromochloromethane	8.812	129	115975	51.073	ug/L	99
50) 1,2-Dibromoethane	8.925	107	99435	48.781	ug/L	99
51) Chlorobenzene	9.449	112	244658	48.793	ug/L	99
52) Ethylbenzene	9.571	91	400209	48.711	ug/L	98
53) m,p-Xylene	9.693	106	164192	49.729	ug/L	99
54) o-Xylene	10.102	106	160634	50.784	ug/L	98
55) Styrene	10.115	104	276766	50.325	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	138091	45.238	ug/L #	98
59) Bromoform	10.292	173	92393	49.167	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	126900	46.805	ug/L	97
61) Isopropylbenzene	10.484	105	425153	50.498	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	241272	50.408	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	377441	50.712	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	215562	49.649	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	217012	48.167	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	211079	47.798	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	48093	45.879	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	166045	47.982	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	144658	46.218	ug/L	98
71) Naphthalene	14.086	128	435444	42.193	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	147777	47.026	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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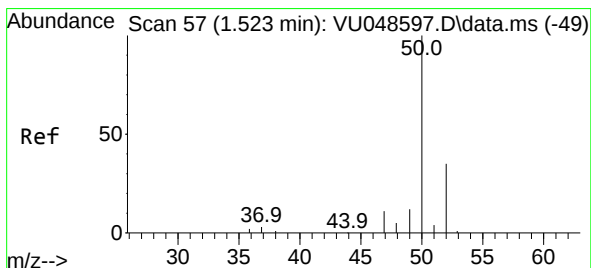
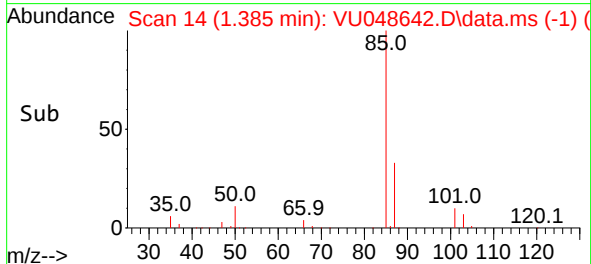
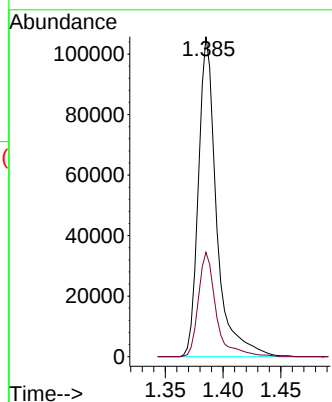
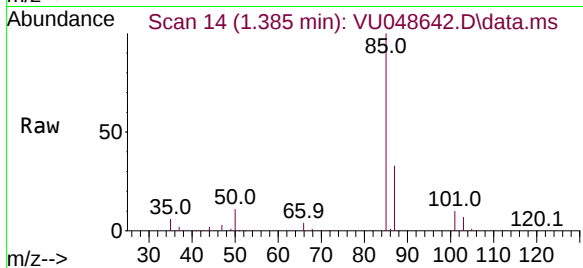




#2
Dichlorodifluoromethane
Concen: 46.865 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

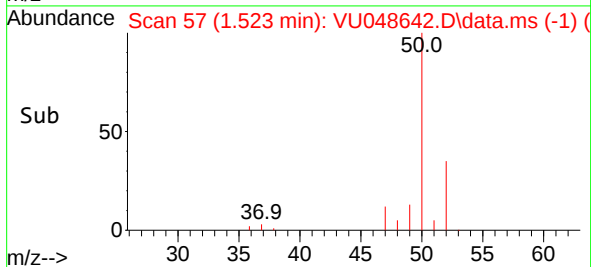
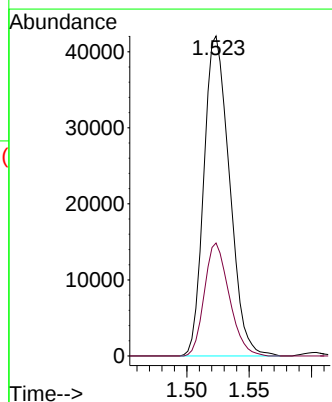
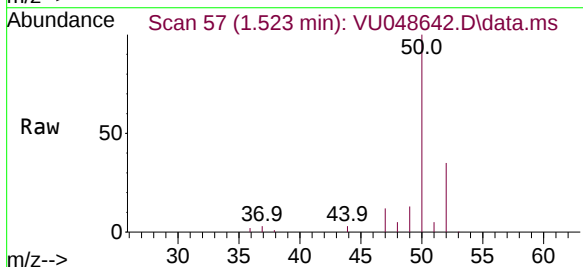
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

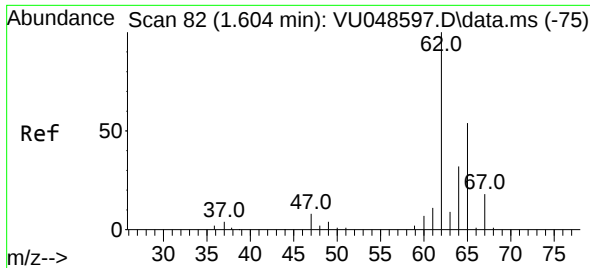
Tgt Ion: 85 Resp: 115840
Ion Ratio Lower Upper
85 100
87 32.0 25.4 38.2



#3
Chloromethane
Concen: 39.420 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 50 Resp: 60121
Ion Ratio Lower Upper
50 100
52 35.3 23.8 44.2

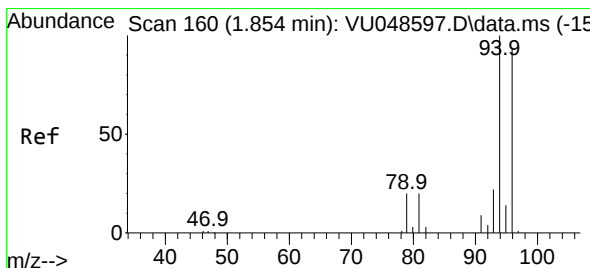
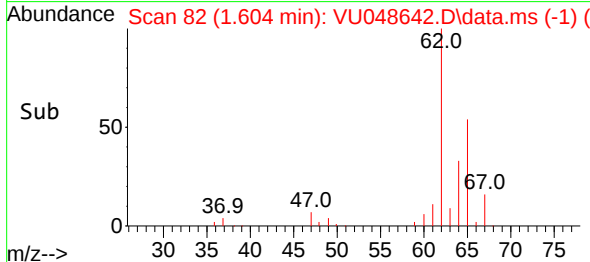
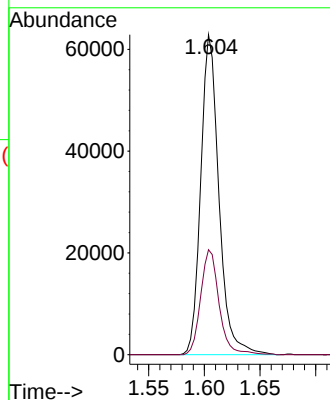
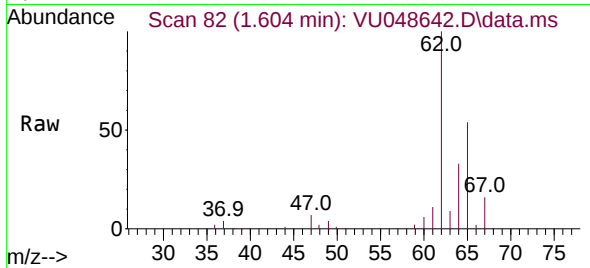




#5
 Vinyl chloride
 Concen: 43.909 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

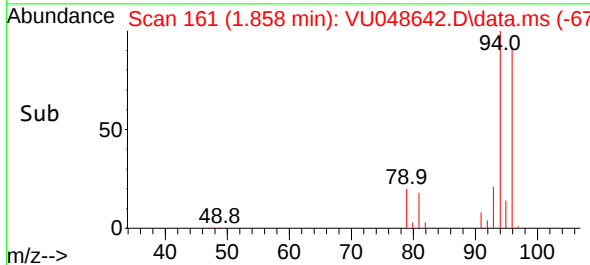
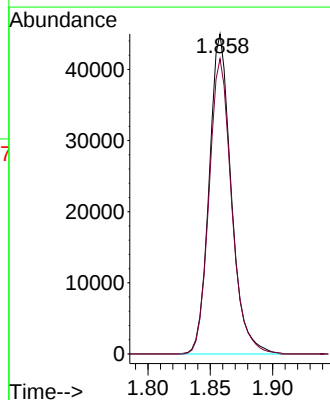
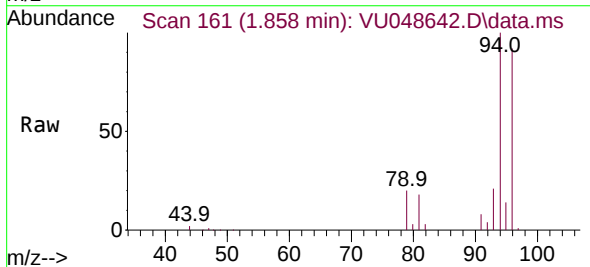
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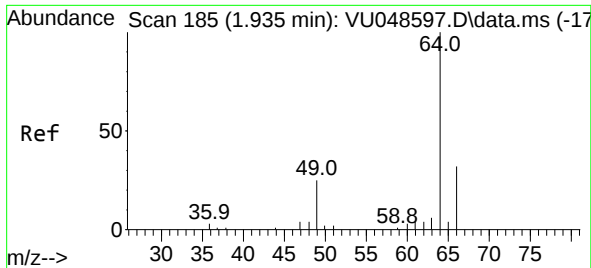
Tgt Ion: 62 Resp: 71238
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.9 42.5



#6
 Bromomethane
 Concen: 47.380 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

Tgt Ion: 94 Resp: 55494
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.7 121.9

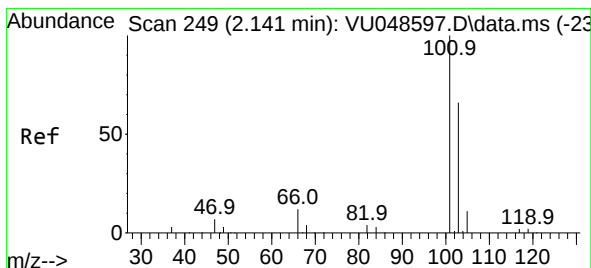
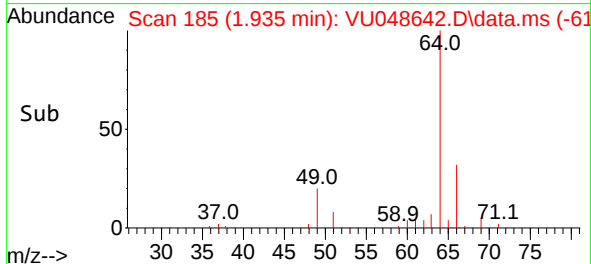
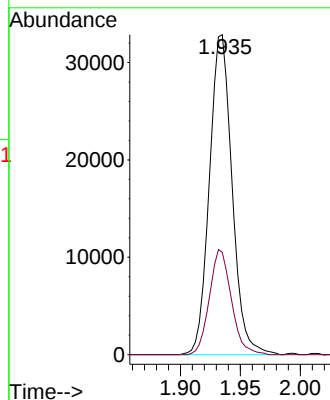
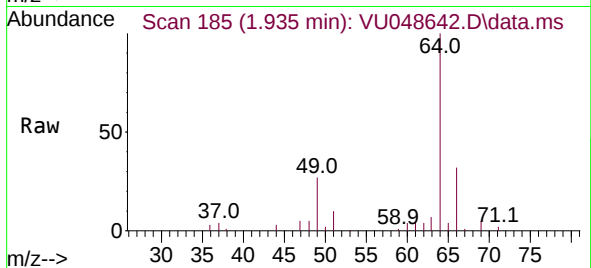




#8
Chloroethane
Concen: 45.275 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

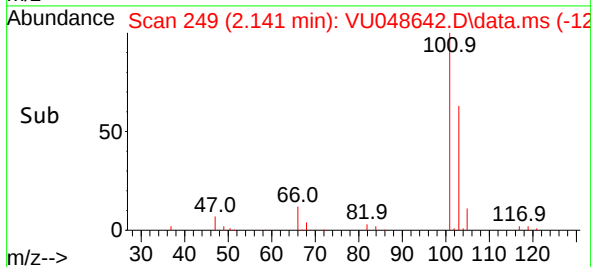
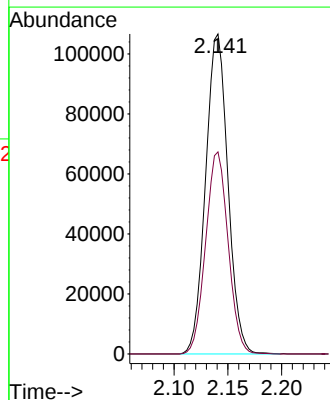
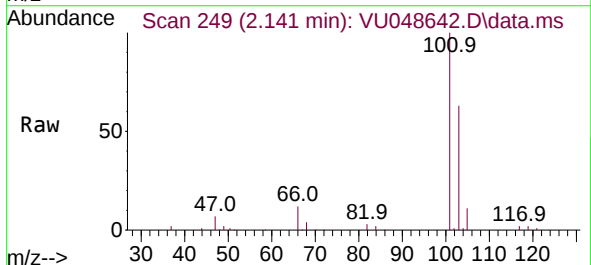
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ClientSampleId :
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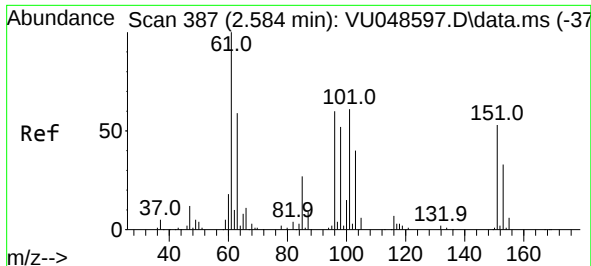
Tgt Ion: 64 Resp: 43235
Ion Ratio Lower Upper
64 100
66 32.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.626 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion:101 Resp: 154010
Ion Ratio Lower Upper
101 100
103 63.5 51.6 77.4

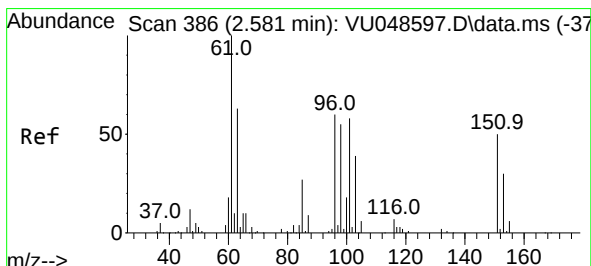
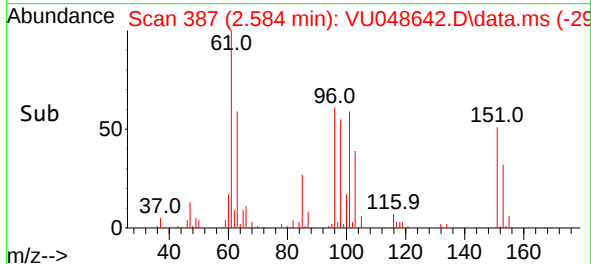
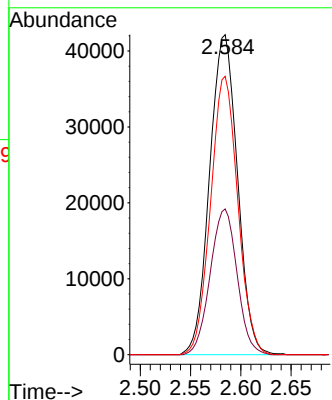
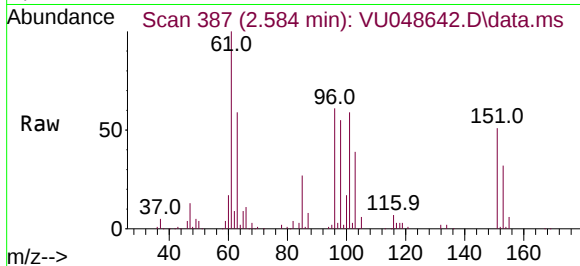




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.317 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

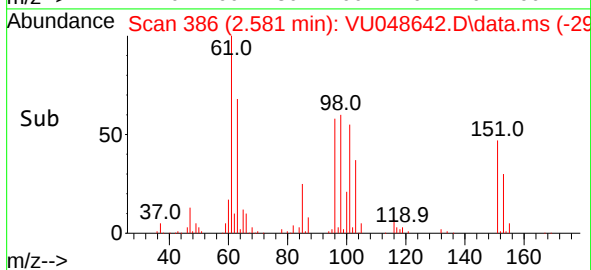
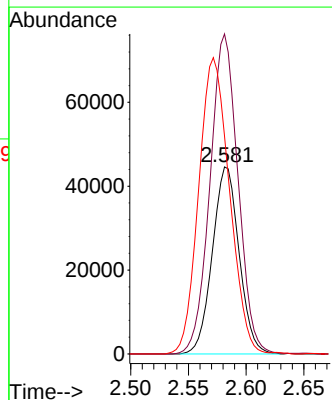
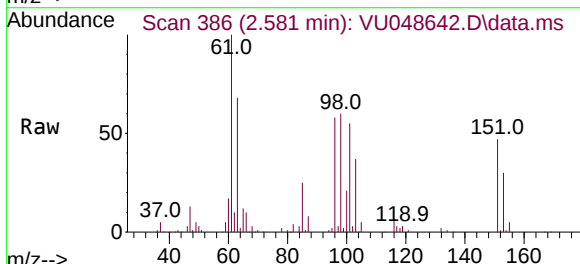
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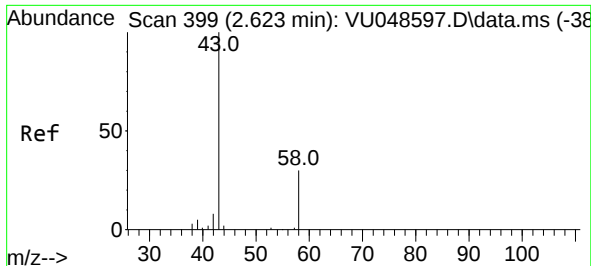
Tgt Ion:101 Resp: 81264
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.7 53.5
 151 84.9 64.4 96.6



#12
 1,1-Dichloroethene
 Concen: 47.930 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

Tgt Ion: 96 Resp: 71729
 Ion Ratio Lower Upper
 96 100
 61 171.1 120.6 224.0
 63 116.5 82.3 152.9





#13

Acetone

Concen: 105.887 ug/L

RT: 2.633 min Scan# 402

Delta R.T. 0.010 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

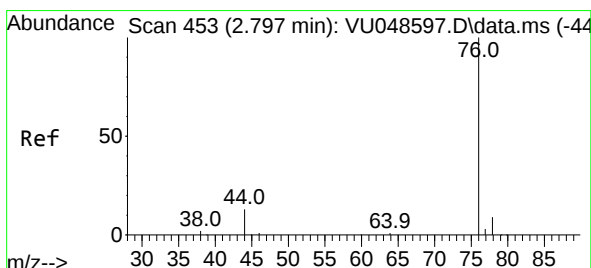
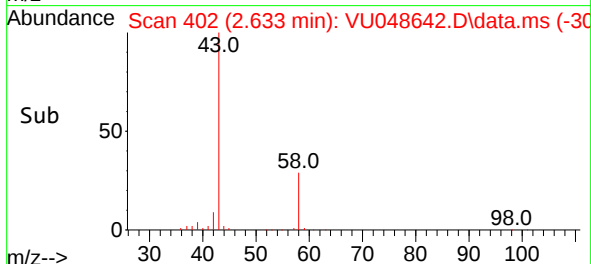
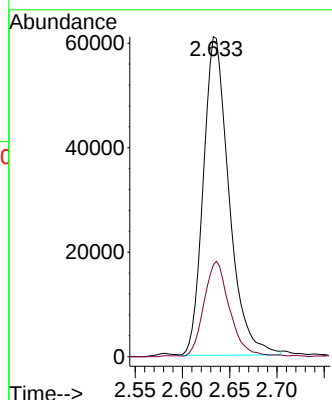
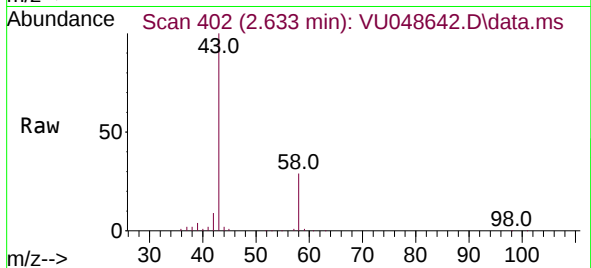
VSTD050136

Tgt Ion: 43 Resp: 115331

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.8



#14

Carbon disulfide

Concen: 45.982 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU048642.D

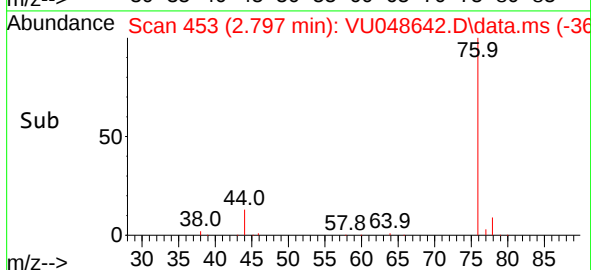
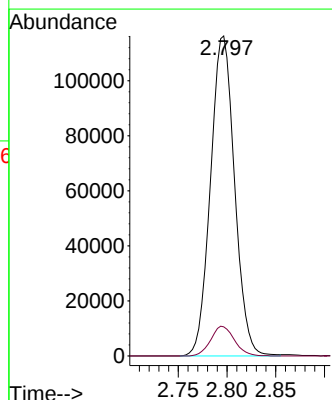
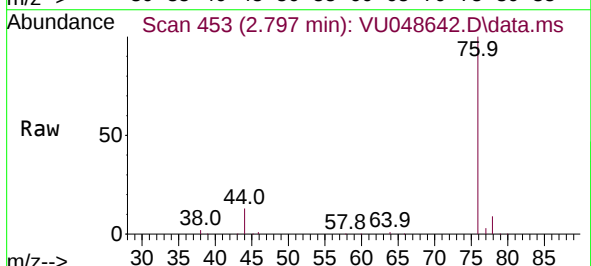
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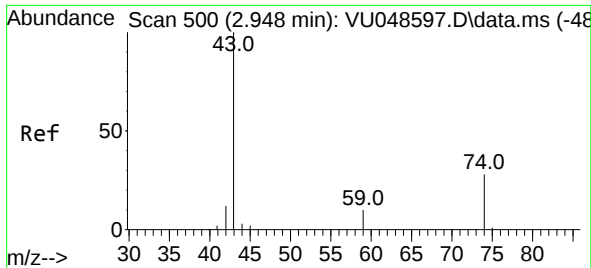
Tgt Ion: 76 Resp: 199695

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

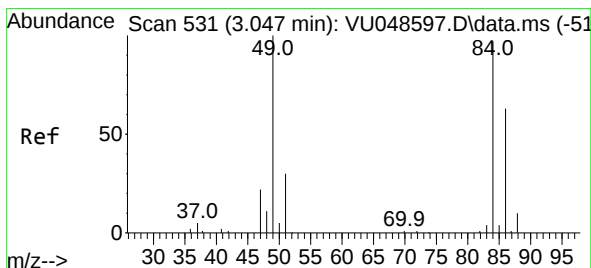
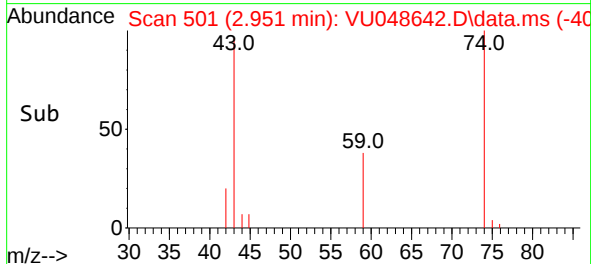
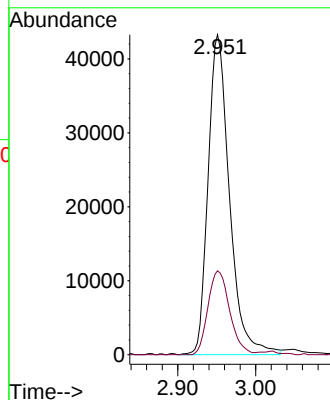
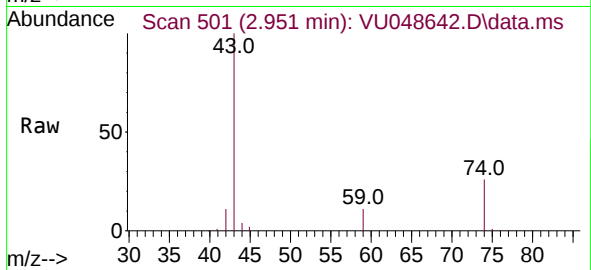




#15
Methyl Acetate
Concen: 44.415 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

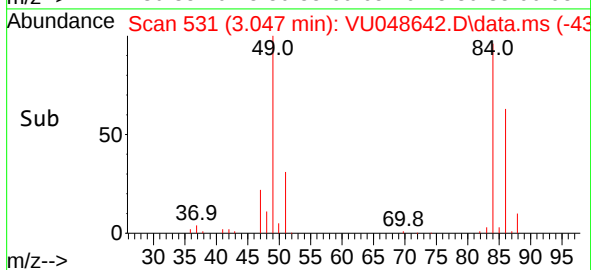
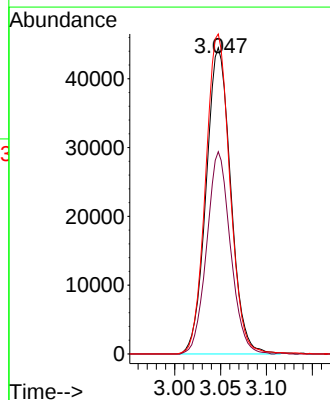
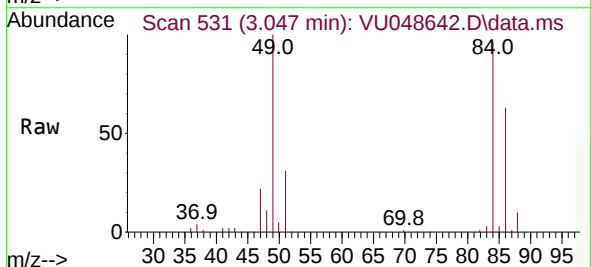
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

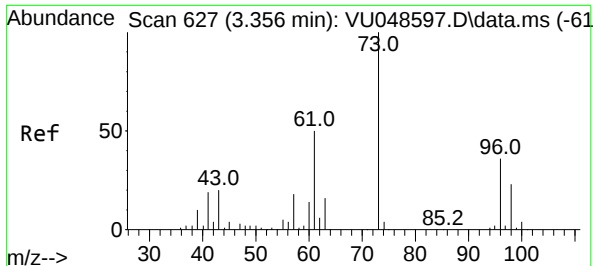
Tgt Ion: 43 Resp: 82564
Ion Ratio Lower Upper
43 100
74 26.5 21.7 32.5



#16
Methylene chloride
Concen: 47.859 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 84 Resp: 83382
Ion Ratio Lower Upper
84 100
86 66.0 43.5 80.9
49 104.5 76.4 141.8





#17

trans-1,2-Dichloroethene

Concen: 49.241 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

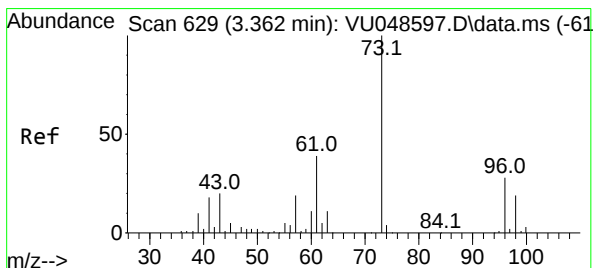
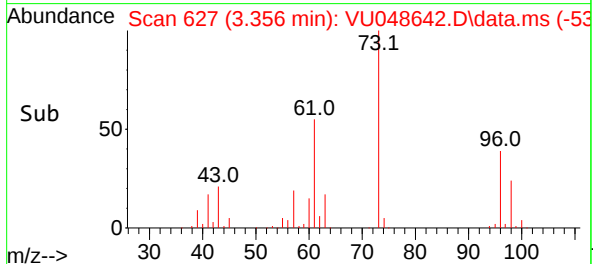
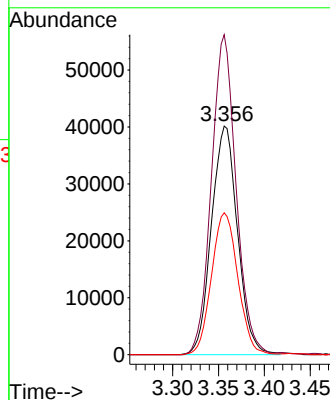
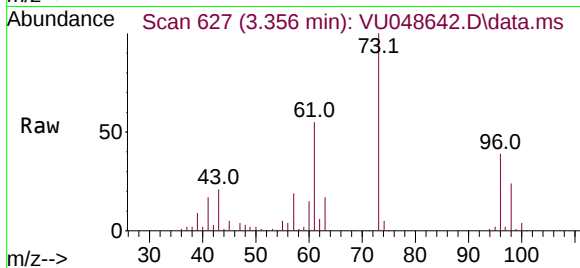
Tgt Ion: 96 Resp: 79479

Ion Ratio Lower Upper

96 100

61 139.9 94.2 175.0

98 62.0 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 49.153 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

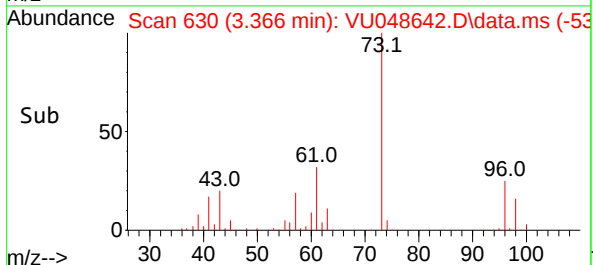
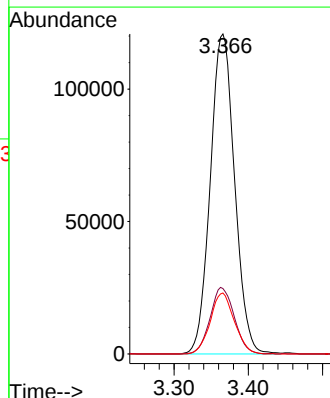
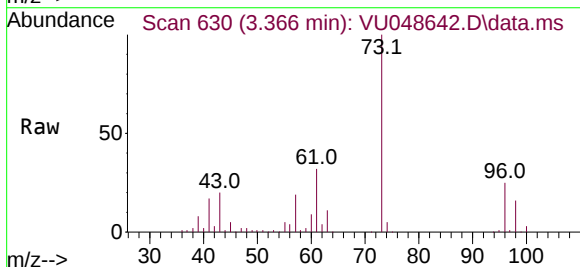
Tgt Ion: 73 Resp: 275259

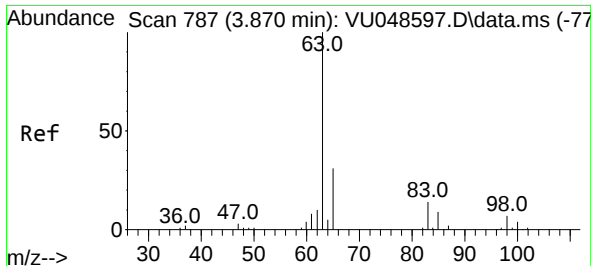
Ion Ratio Lower Upper

73 100

43 20.7 16.2 24.4

57 18.9 15.7 23.5





#19

1,1-Dichloroethane

Concen: 48.816 ug/L

RT: 3.871 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

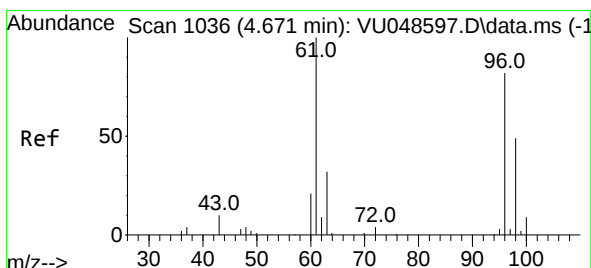
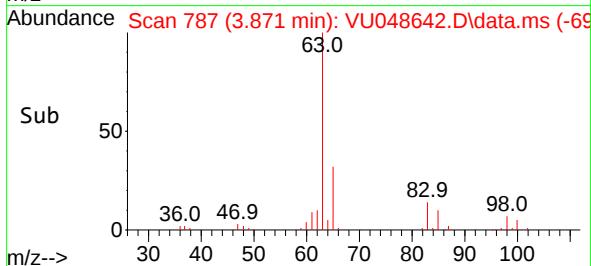
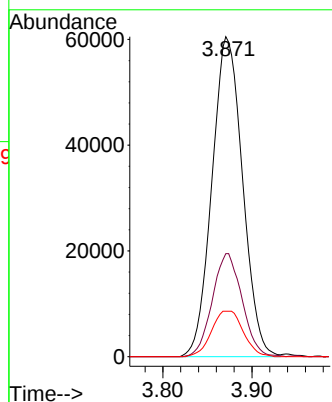
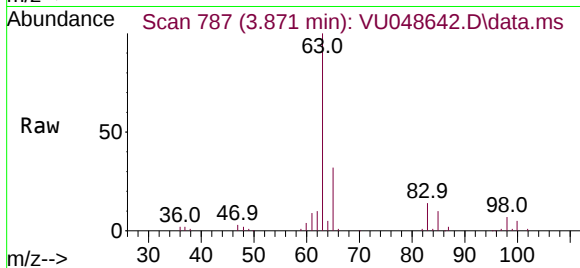
Tgt Ion: 63 Resp: 144253

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

83 14.2 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 48.502 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

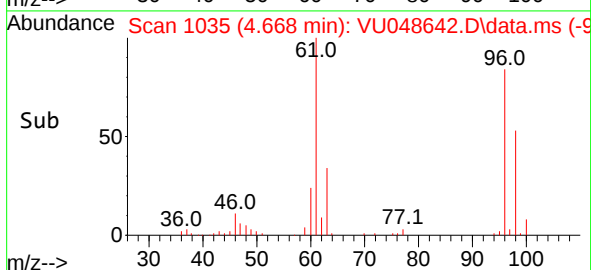
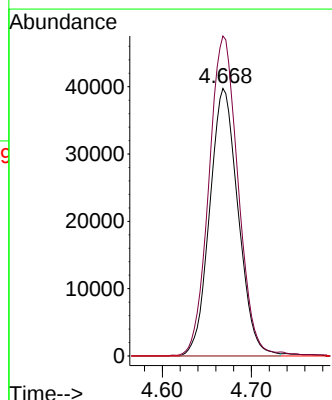
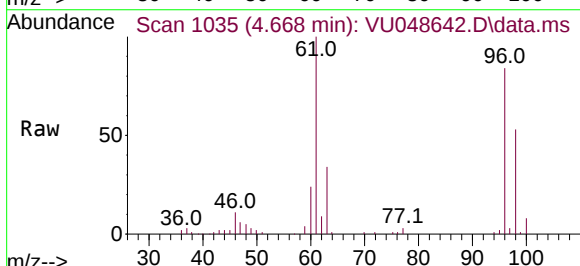
Tgt Ion: 96 Resp: 88287

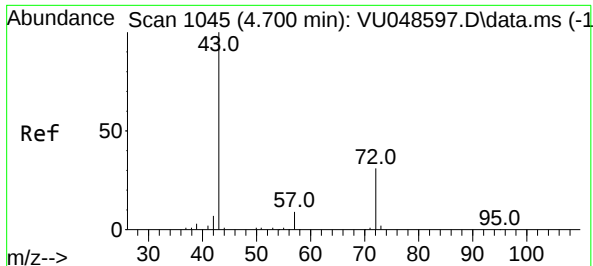
Ion Ratio Lower Upper

96 100

61 119.6 88.3 164.1

68 0.0 0.0 0.0

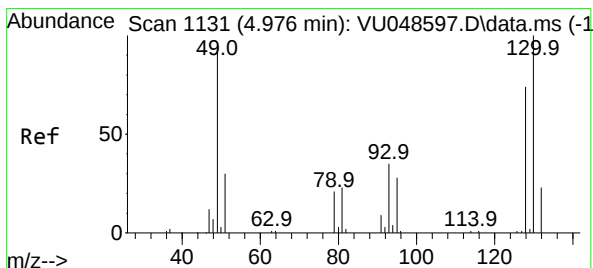
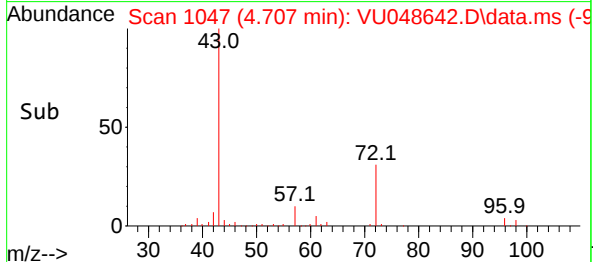
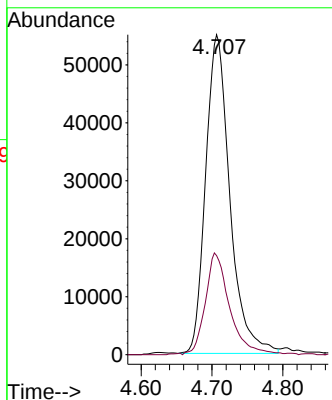
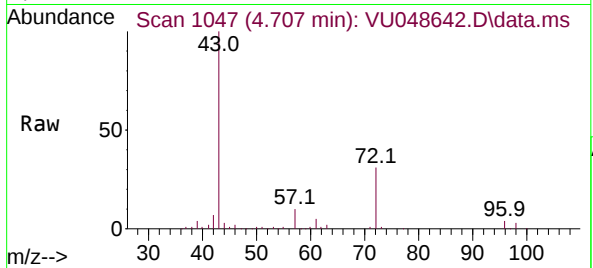




#22
2-Butanone
Concen: 94.289 ug/L
RT: 4.707 min Scan# 1045
Delta R.T. 0.006 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

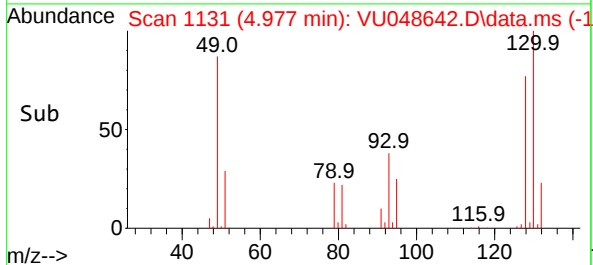
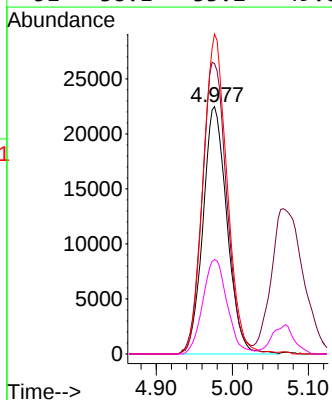
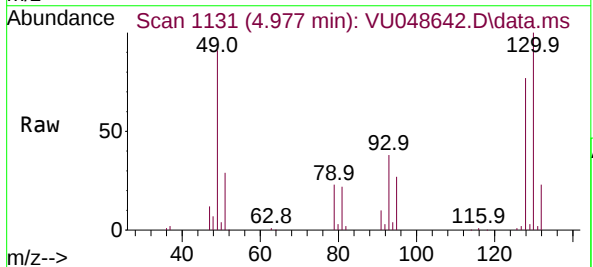
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

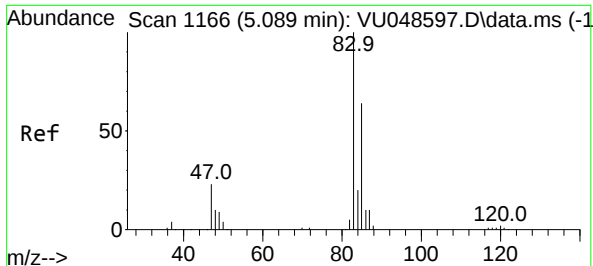
Tgt Ion: 43 Resp: 130398
Ion Ratio Lower Upper
43 100
72 32.0 15.4 46.2



#23
Bromochloromethane
Concen: 48.810 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 128 Resp: 49302
Ion Ratio Lower Upper
128 100
49 117.4 91.9 170.7
130 129.4 88.4 164.2
51 38.1 33.2 49.8





#25

Chloroform

Concen: 49.691 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

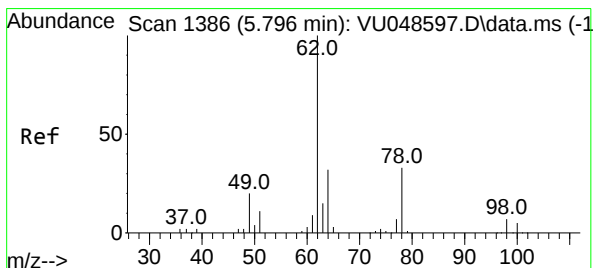
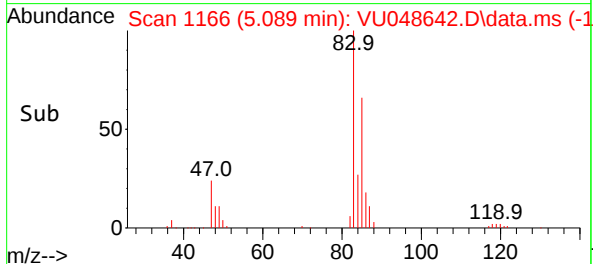
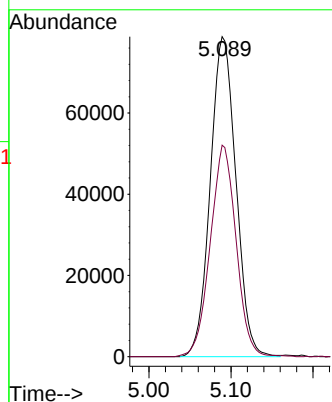
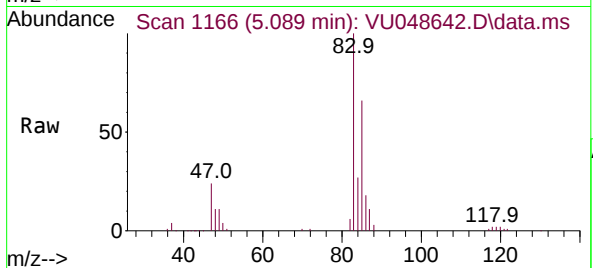
VSTD050136

Tgt Ion: 83 Resp: 171396

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.7



#27

1,2-Dichloroethane

Concen: 50.323 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU048642.D

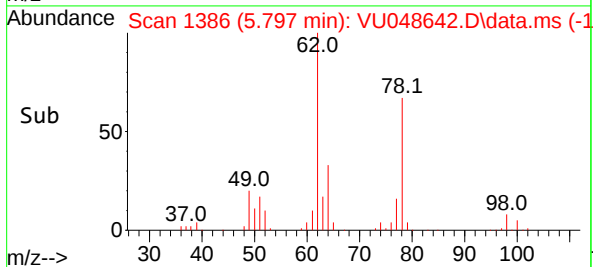
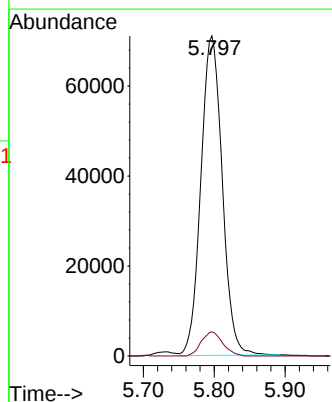
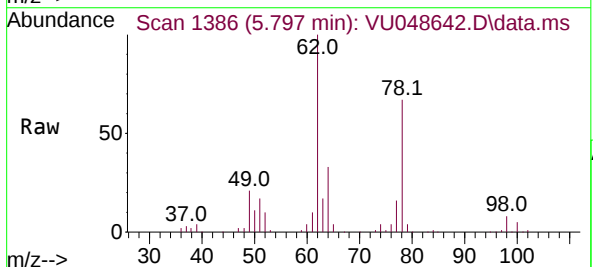
Acq: 20 May 2022 10:26

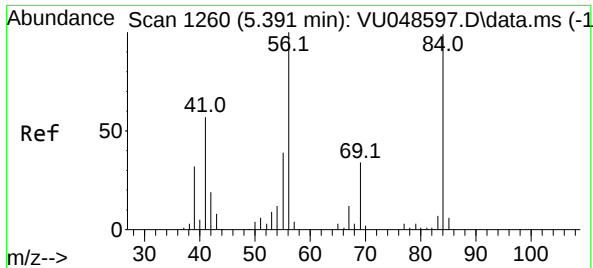
Tgt Ion: 62 Resp: 148901

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0

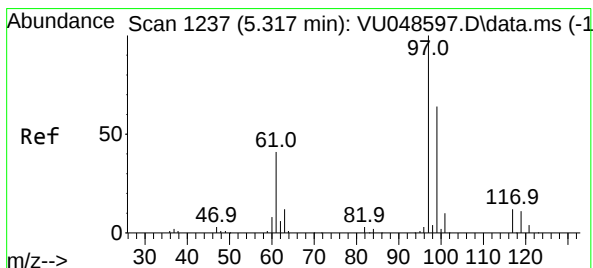
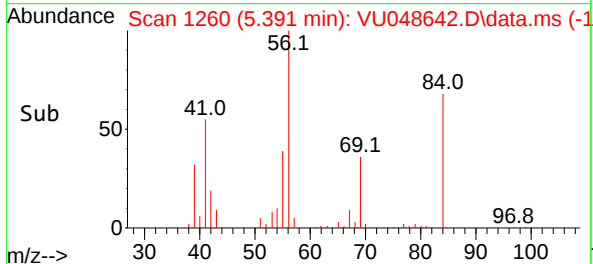
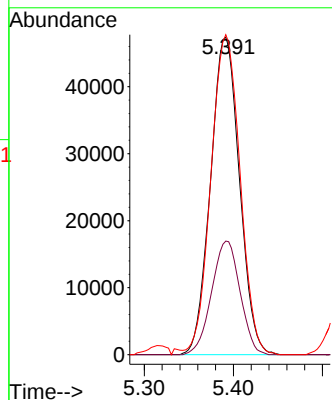
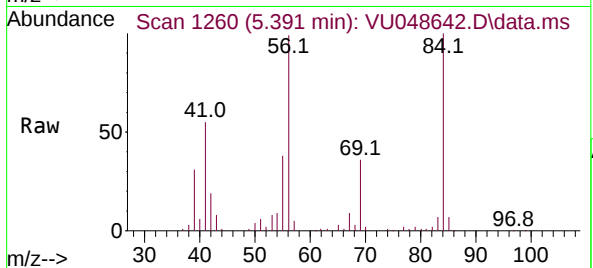




#29
Cyclohexane
Concen: 46.101 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

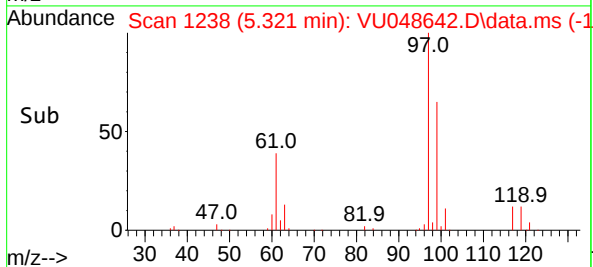
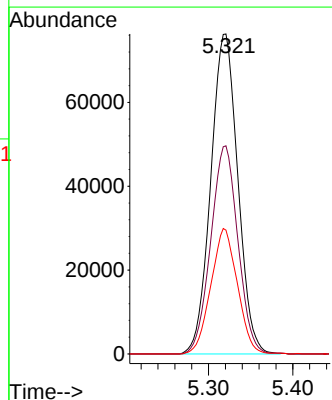
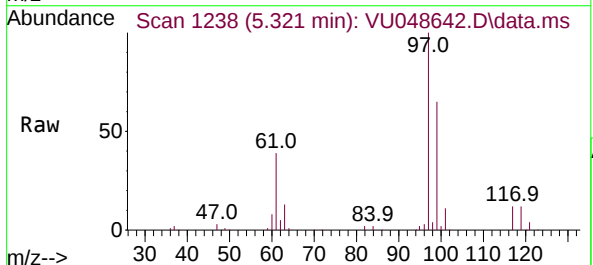
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

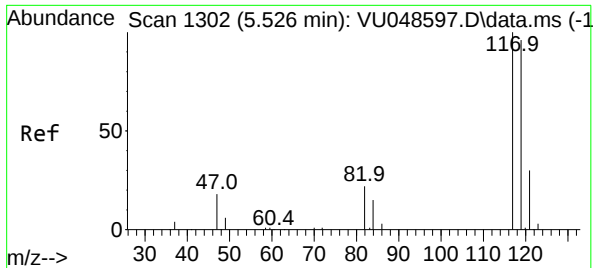
Tgt Ion: 56 Resp: 106905
Ion Ratio Lower Upper
56 100
69 35.2 26.5 39.7
84 101.5 78.0 117.0



#30
1,1,1-Trichloroethane
Concen: 49.787 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 97 Resp: 170197
Ion Ratio Lower Upper
97 100
99 65.2 50.3 75.5
61 38.4 32.6 48.8

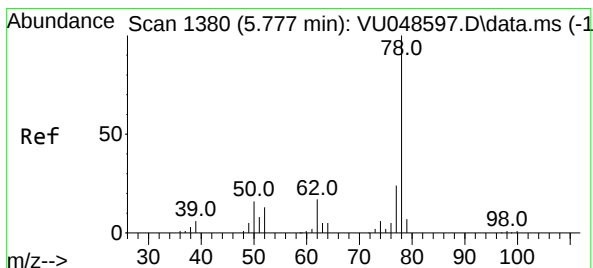
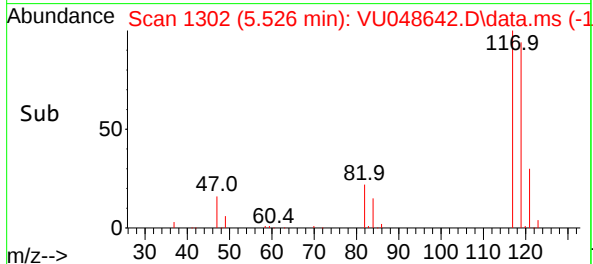
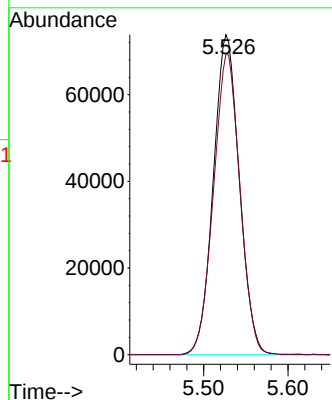
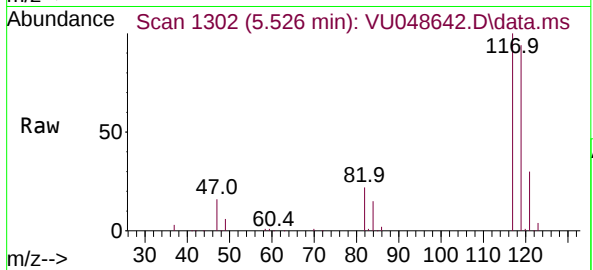




#31
Carbon tetrachloride
Concen: 50.623 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

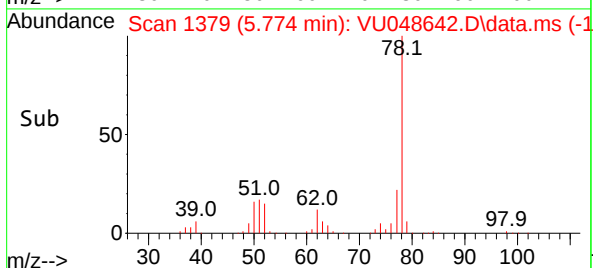
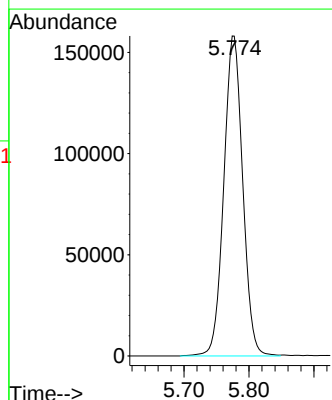
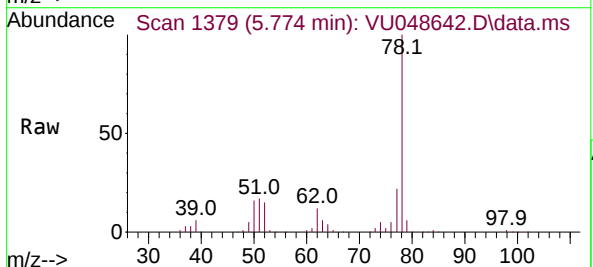
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

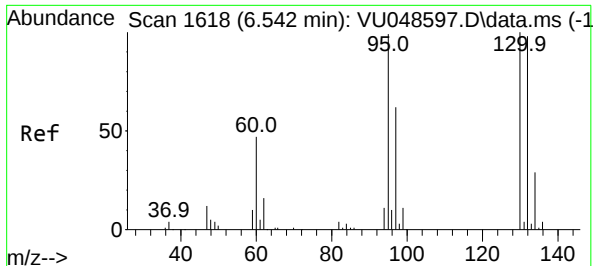
Tgt Ion:117 Resp: 157712
Ion Ratio Lower Upper
117 100
119 95.6 76.0 114.0



#33
Benzene
Concen: 48.494 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 78 Resp: 319870

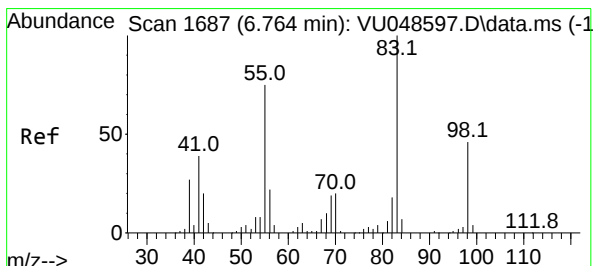
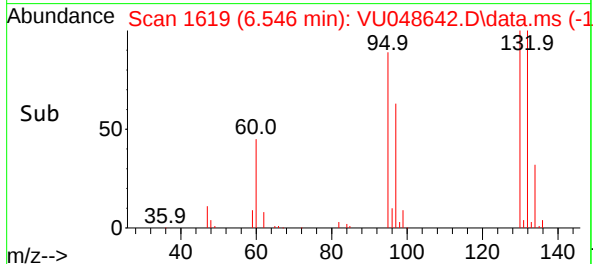
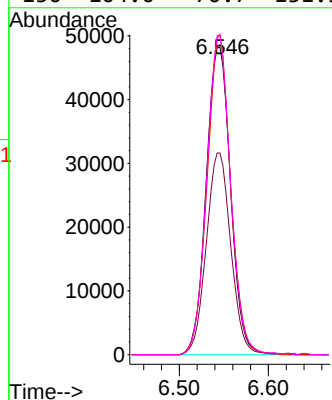
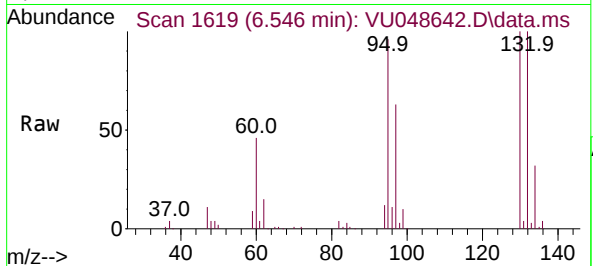




#34
Trichloroethene
Concen: 49.131 ug/L
RT: 6.546 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

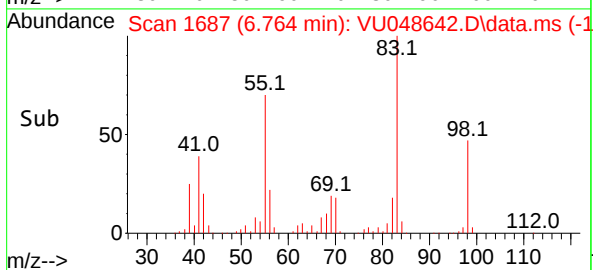
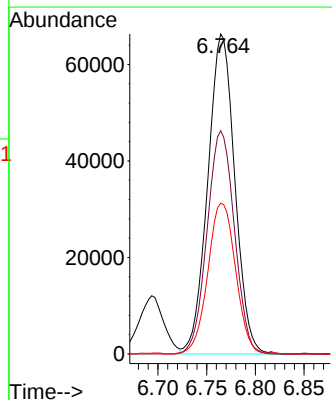
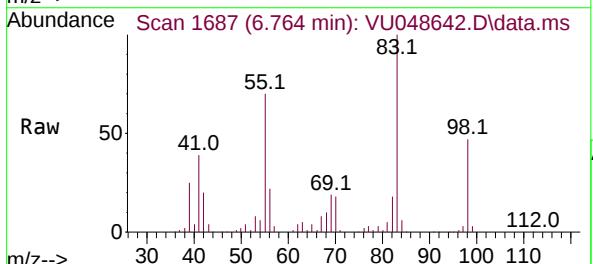
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

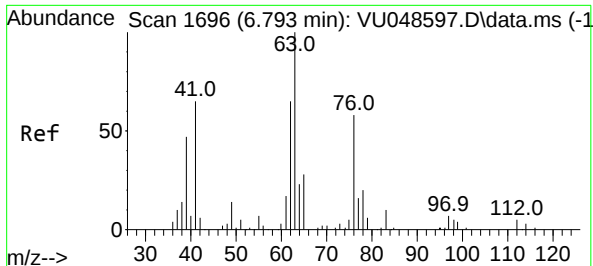
Tgt Ion: 95 Resp: 91687
Ion Ratio Lower Upper
95 100
97 65.6 45.2 84.0
132 104.1 67.3 124.9
130 104.0 70.7 131.3



#35
Methylcyclohexane
Concen: 47.835 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 83 Resp: 128100
Ion Ratio Lower Upper
83 100
55 70.4 56.2 84.4
98 48.5 38.2 57.2





#37

1,2-Dichloropropane

Concen: 46.521 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

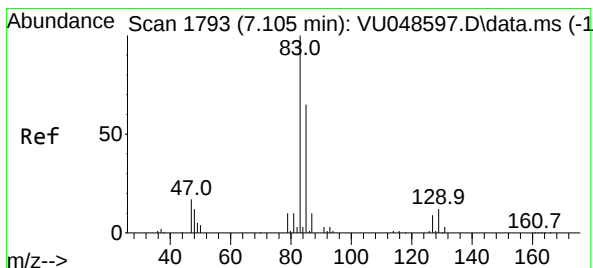
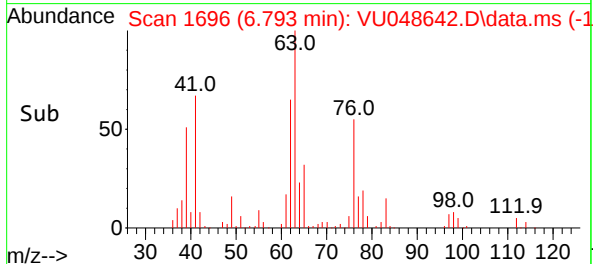
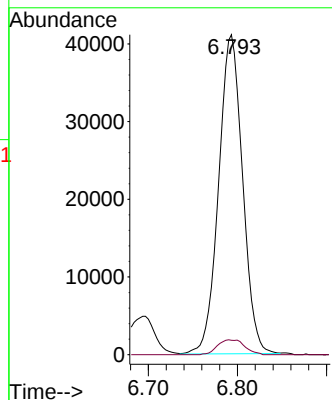
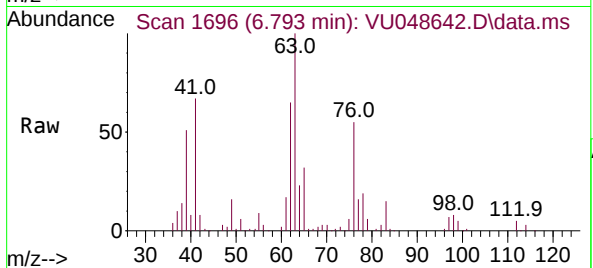
VSTD050136

Tgt Ion: 63 Resp: 76728

Ion Ratio Lower Upper

63 100

112 3.4 3.7 5.5#



#38

Bromodichloromethane

Concen: 50.100 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. 0.003 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

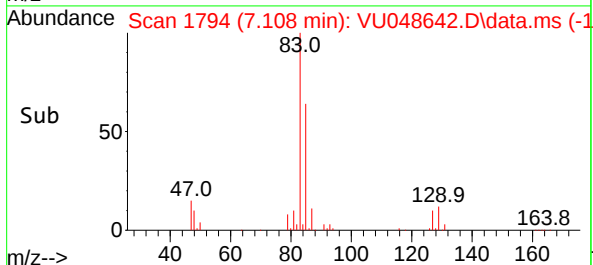
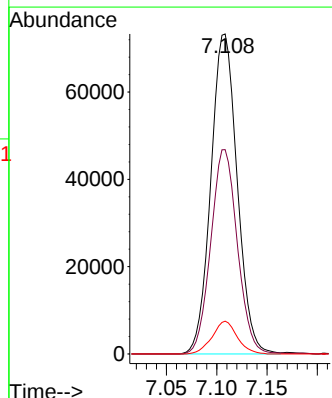
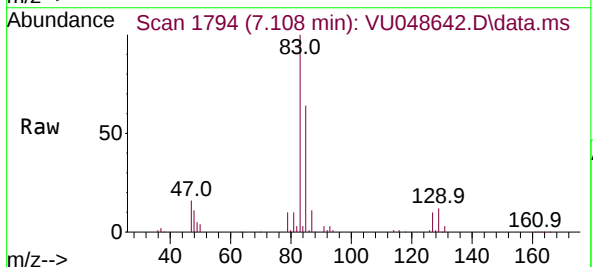
Tgt Ion: 83 Resp: 133691

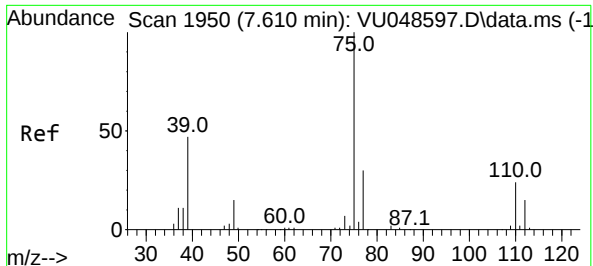
Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.5

127 10.2 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 48.391 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

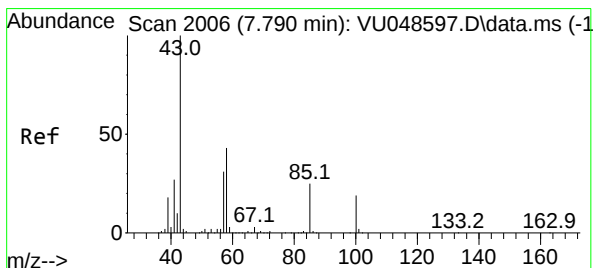
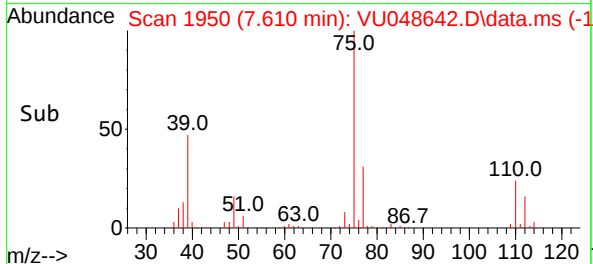
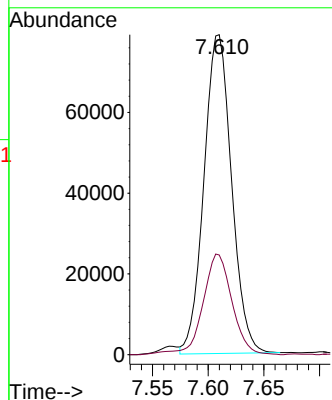
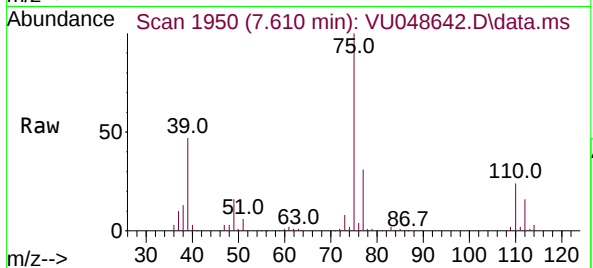
VSTD050136

Tgt Ion: 75 Resp: 136265

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 90.307 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

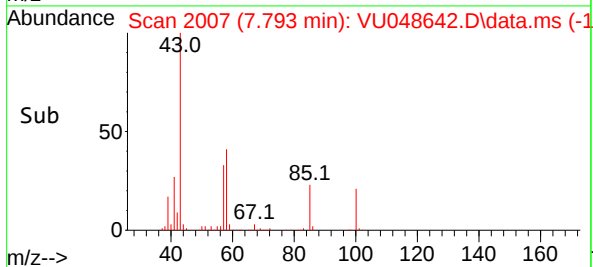
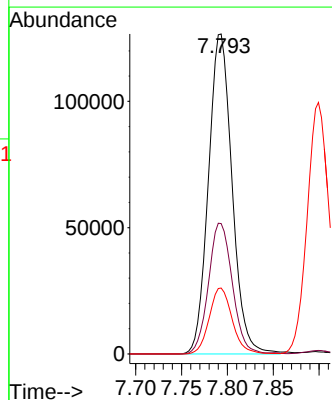
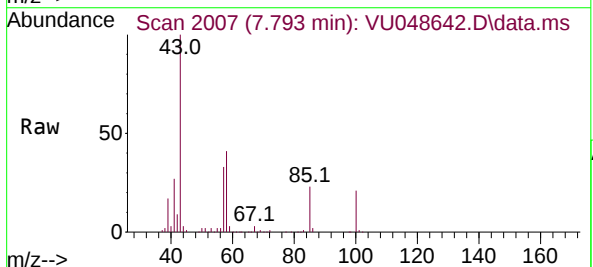
Tgt Ion: 43 Resp: 227296

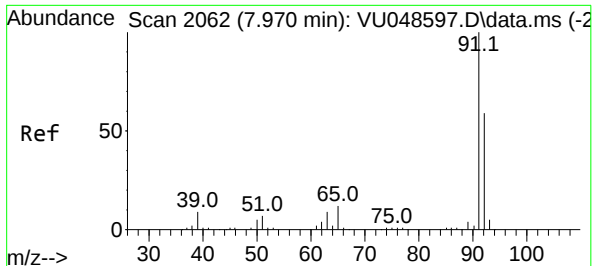
Ion Ratio Lower Upper

43 100

58 41.2 34.3 51.5

100 20.0 14.7 22.1





#42

Toluene

Concen: 50.322 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

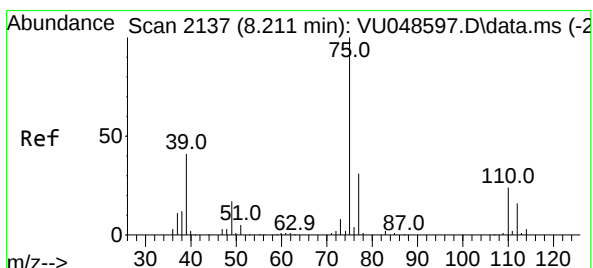
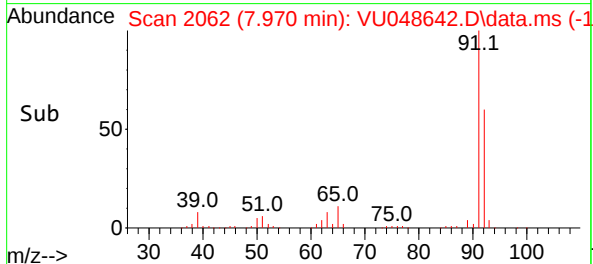
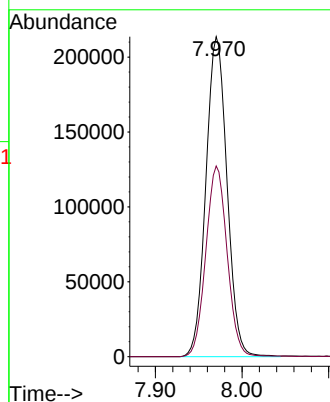
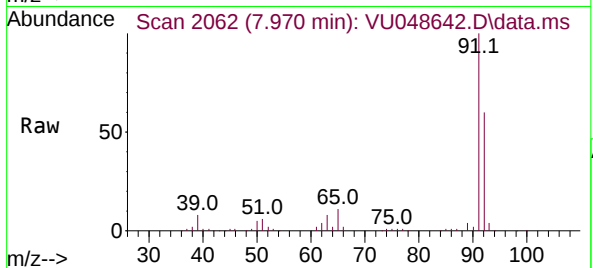
VSTD050136

Tgt Ion: 91 Resp: 361783

Ion Ratio Lower Upper

91 100

92 59.6 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 50.115 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048642.D

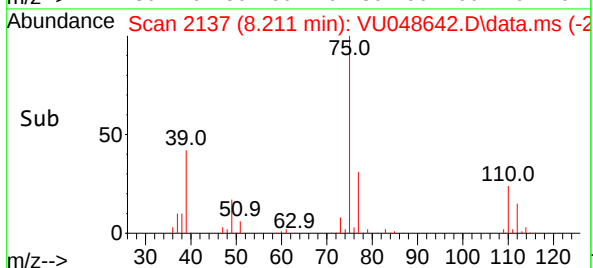
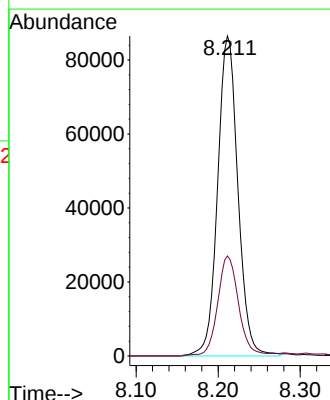
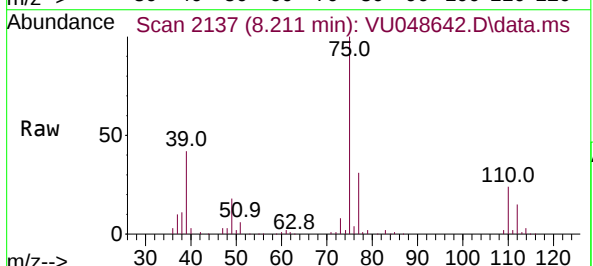
Acq: 20 May 2022 10:26

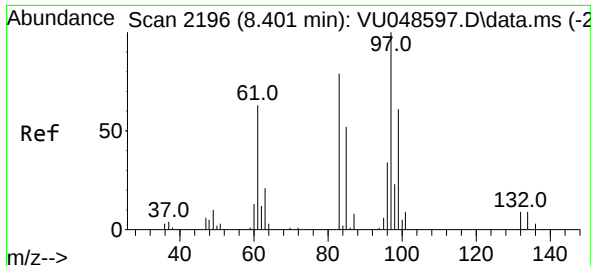
Tgt Ion: 75 Resp: 148824

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

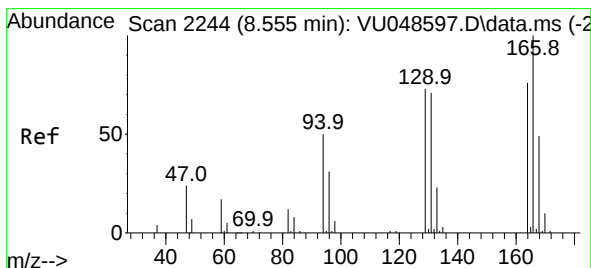
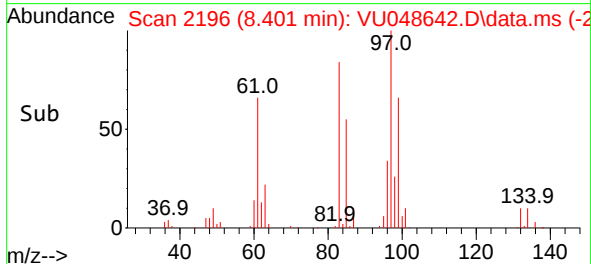
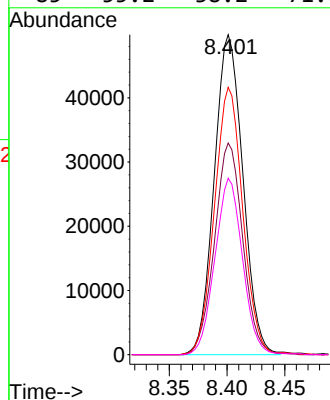
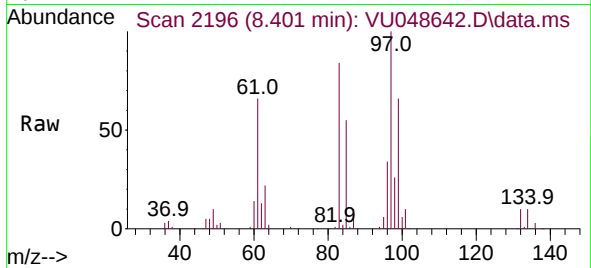




#45
1,1,2-Trichloroethane
Concen: 48.716 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

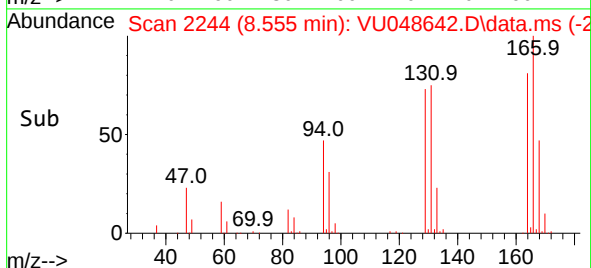
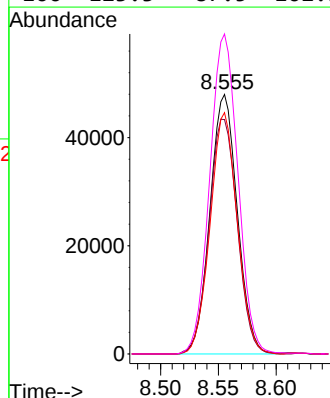
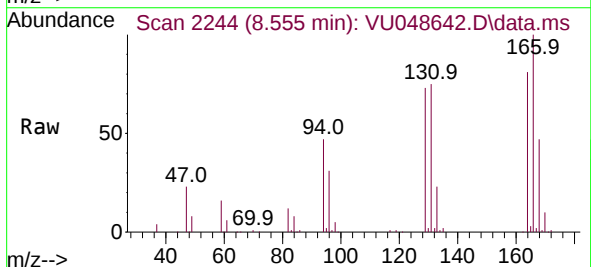
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

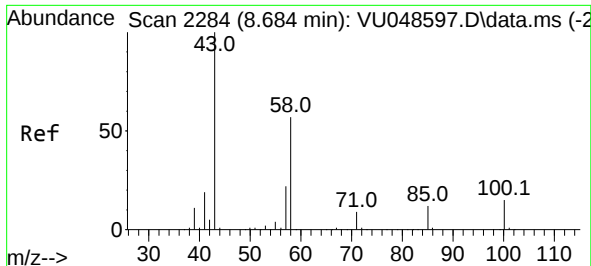
Tgt Ion: 97	Resp: 86043
Ion Ratio	Lower Upper
97 100	
99 66.1	42.2 78.4
83 83.5	58.4 108.6
85 55.2	38.2 71.0



#46
Tetrachloroethene
Concen: 51.973 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion:164	Resp: 79145
Ion Ratio	Lower Upper
164 100	
129 90.3	64.3 119.3
131 92.9	64.5 119.7
166 123.3	87.5 162.5

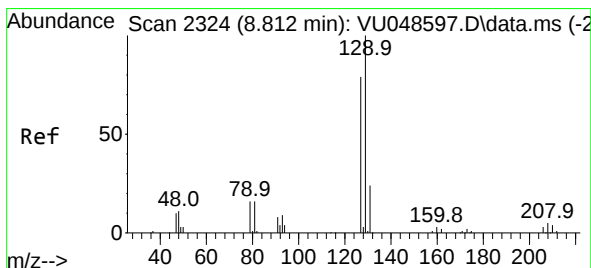
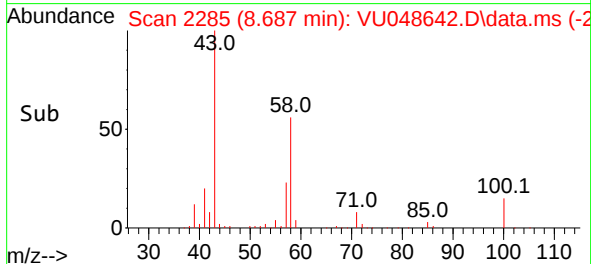
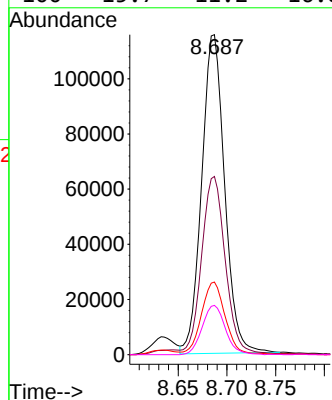
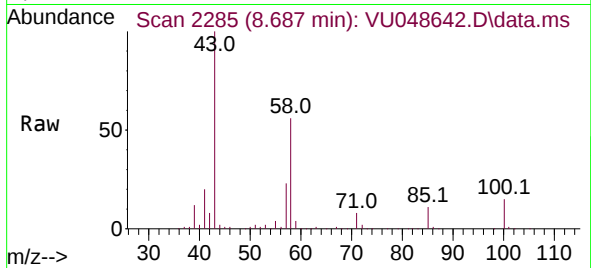




#48
2-Hexanone
Concen: 87.734 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

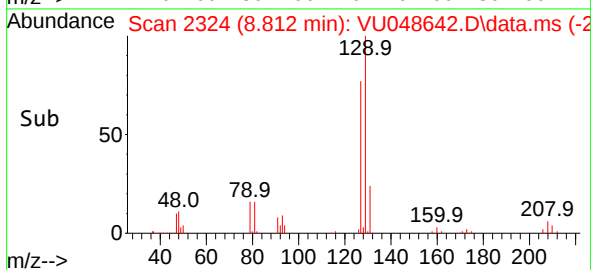
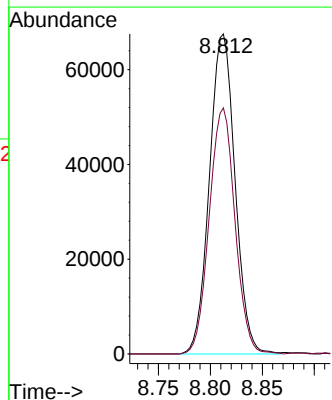
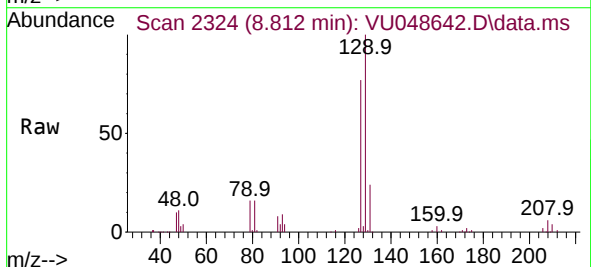
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

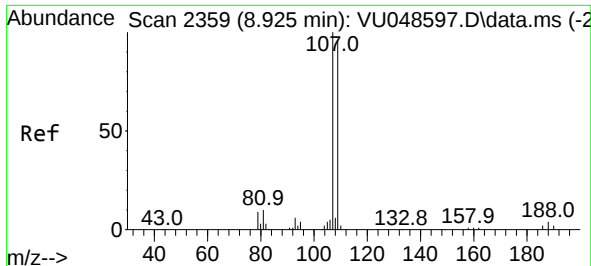
Tgt Ion:	43	Resp:	189197
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.8	68.6
57	24.0	16.8	25.2
100	15.7	11.2	16.8



#49
Dibromochloromethane
Concen: 51.073 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion:	129	Resp:	115975
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.1	98.5





#50

1,2-Dibromoethane

Concen: 48.781 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

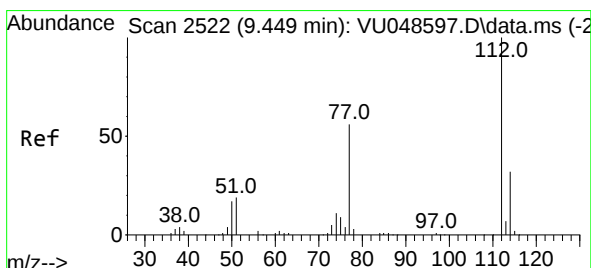
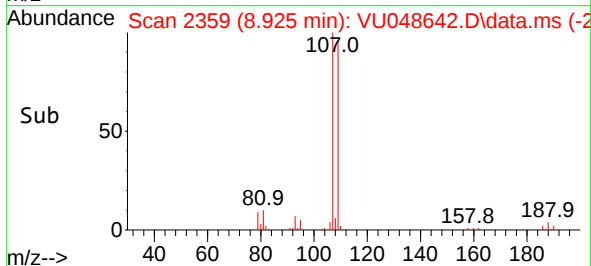
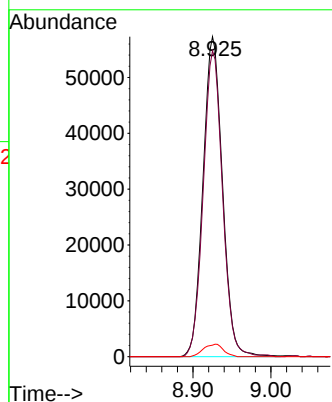
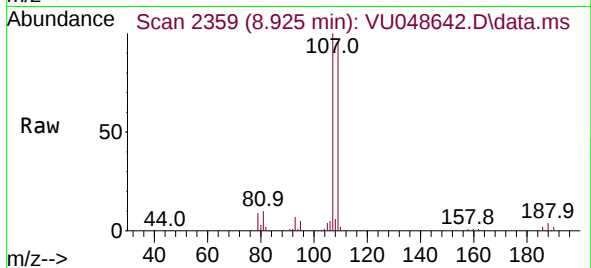
Tgt Ion:107 Resp: 99435

Ion Ratio Lower Upper

107 100

109 95.6 67.5 125.3

188 3.6 3.4 5.2



#51

Chlorobenzene

Concen: 48.793 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

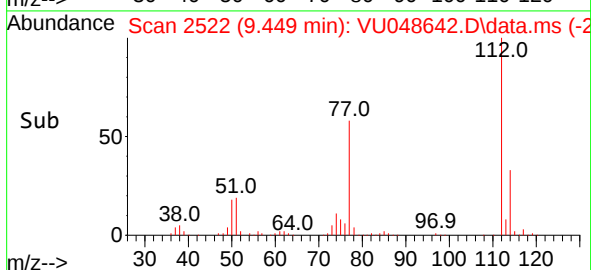
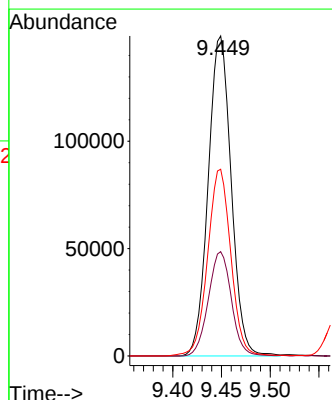
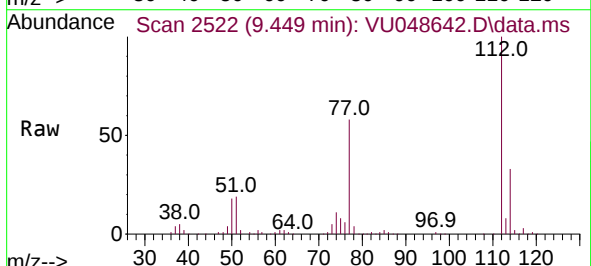
Tgt Ion:112 Resp: 244658

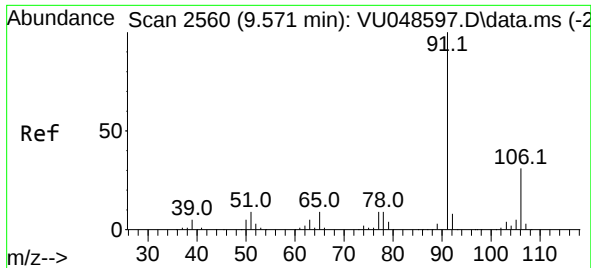
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 58.4 46.5 69.7

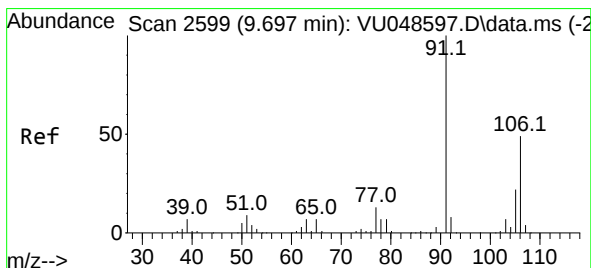
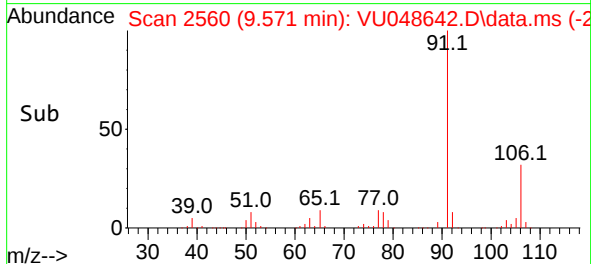
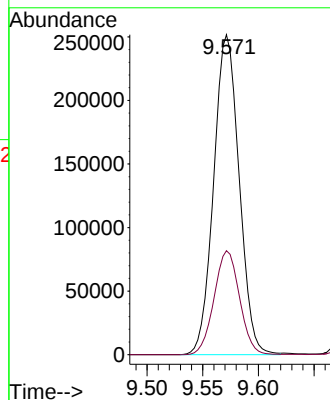
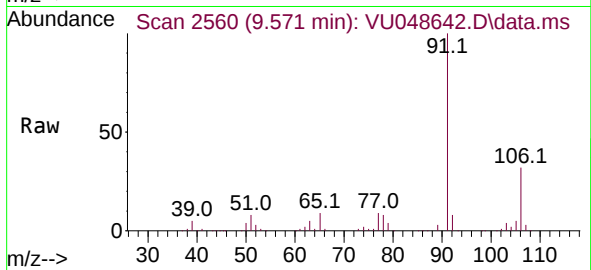




#52
Ethylbenzene
Concen: 48.711 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

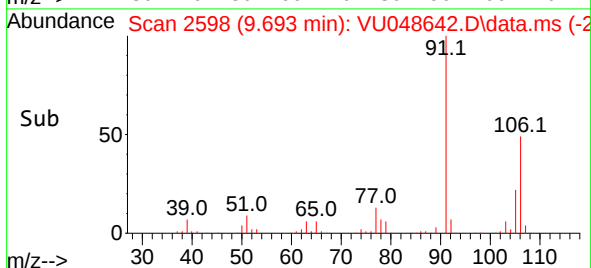
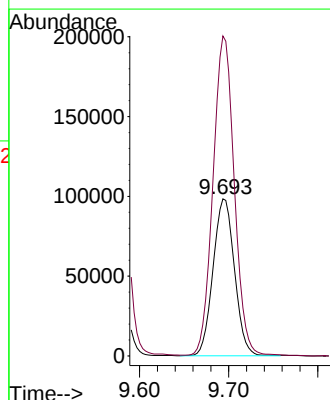
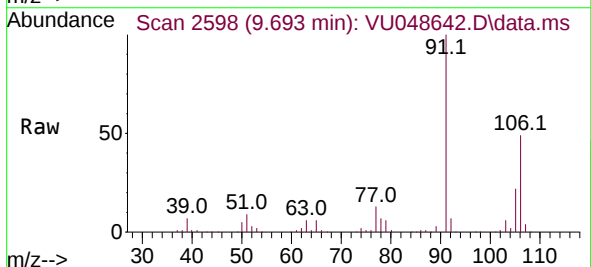
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

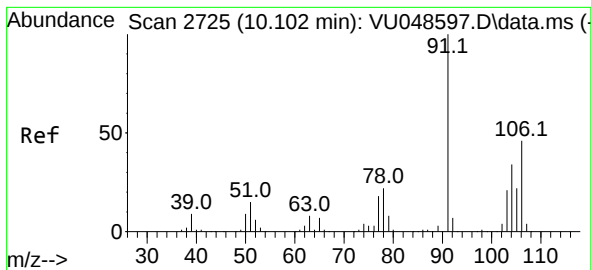
Tgt Ion: 91 Resp: 400209
Ion Ratio Lower Upper
91 100
106 32.5 21.8 40.6



#53
m,p-Xylene
Concen: 49.729 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 106 Resp: 164192
Ion Ratio Lower Upper
106 100
91 203.7 141.8 263.4





#54

o-Xylene

Concen: 50.784 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

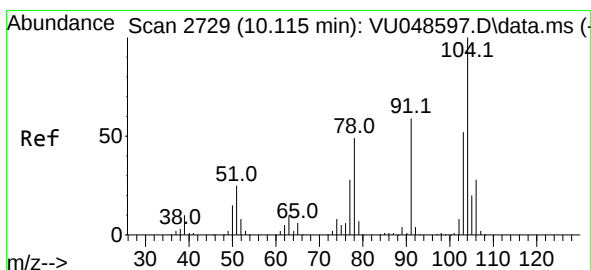
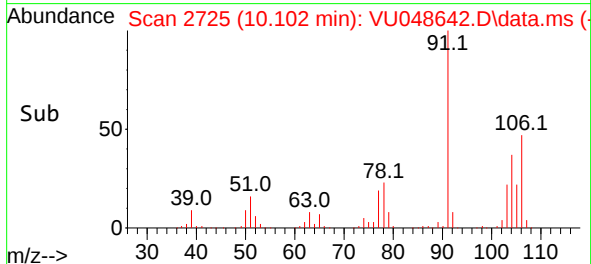
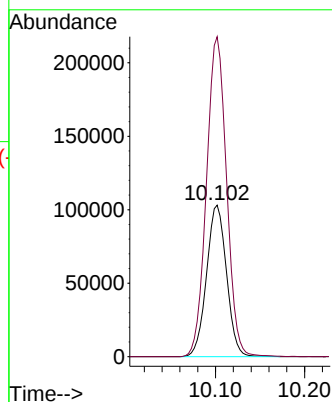
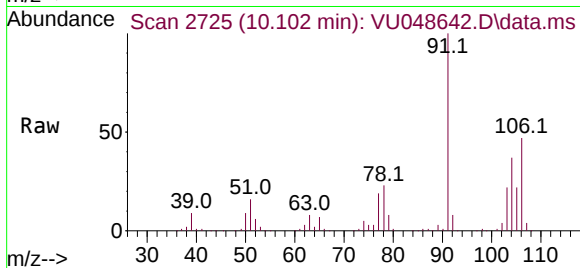
VSTD050136

Tgt Ion:106 Resp: 160634

Ion Ratio Lower Upper

106 100

91 211.2 150.1 278.9



#55

Styrene

Concen: 50.325 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU048642.D

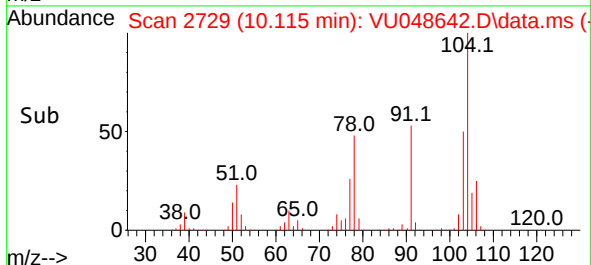
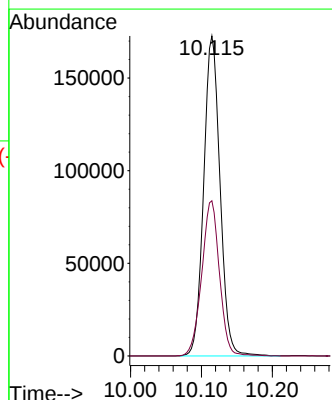
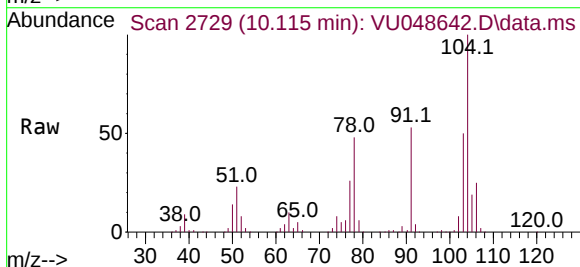
Acq: 20 May 2022 10:26

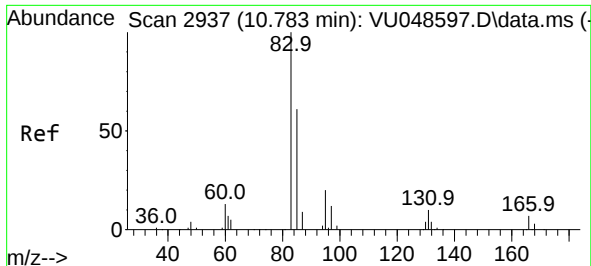
Tgt Ion:104 Resp: 276766

Ion Ratio Lower Upper

104 100

78 48.5 32.7 60.7





#57

1,1,2,2-Tetrachloroethane

Concen: 45.238 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD050136

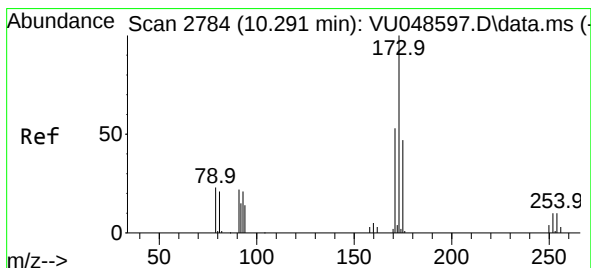
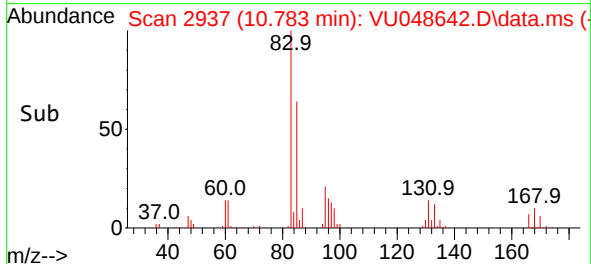
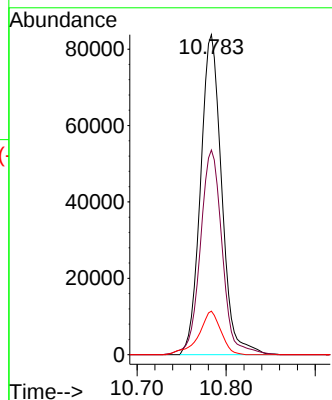
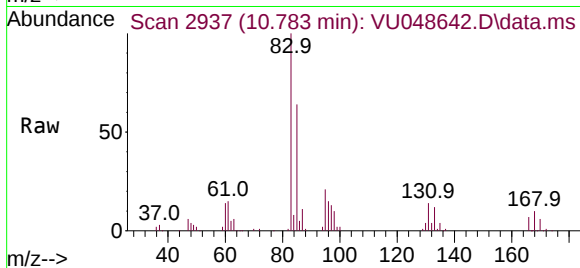
Tgt Ion: 83 Resp: 138091

Ion Ratio Lower Upper

83 100

85 64.0 44.1 81.9

131 13.6 8.9 13.3#



#59

Bromoform

Concen: 49.167 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU048642.D

Acq: 20 May 2022 10:26

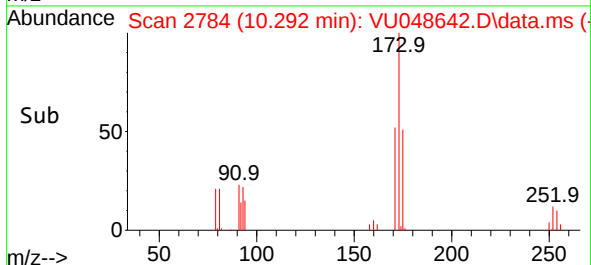
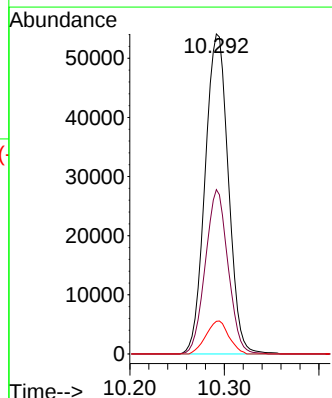
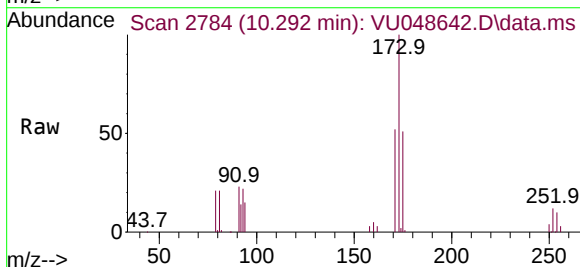
Tgt Ion:173 Resp: 92393

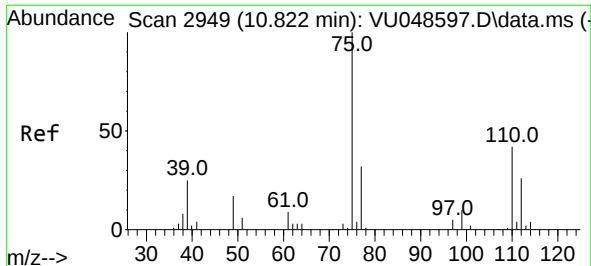
Ion Ratio Lower Upper

173 100

175 50.1 38.2 57.4

254 10.1 7.7 11.5

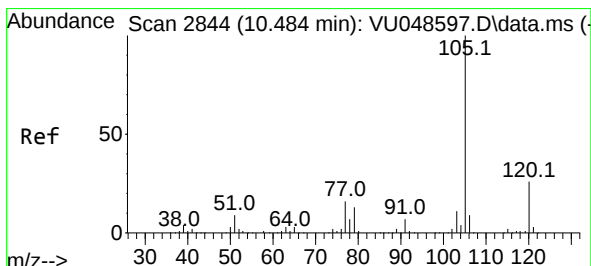
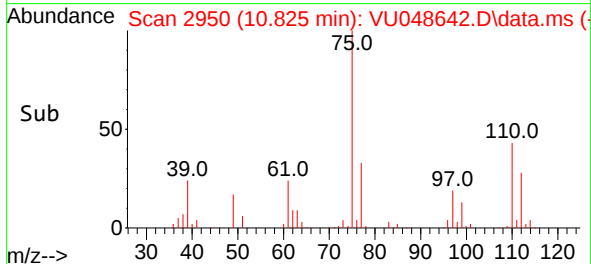
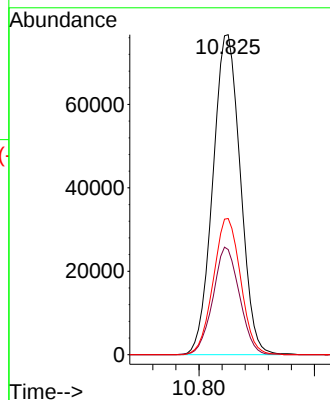
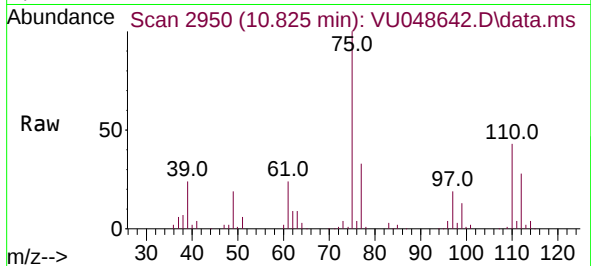




#60
1,2,3-Trichloropropane
Concen: 46.805 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

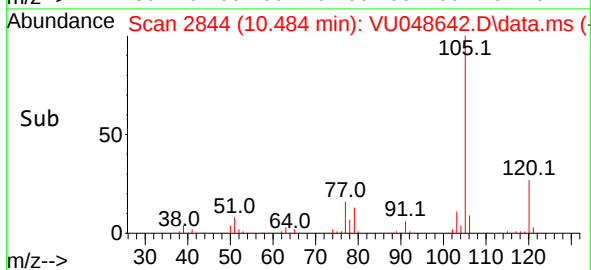
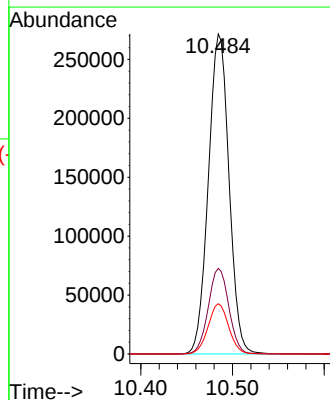
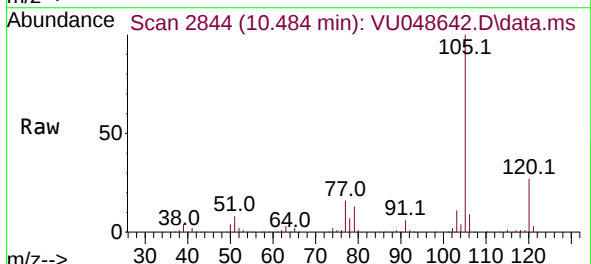
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

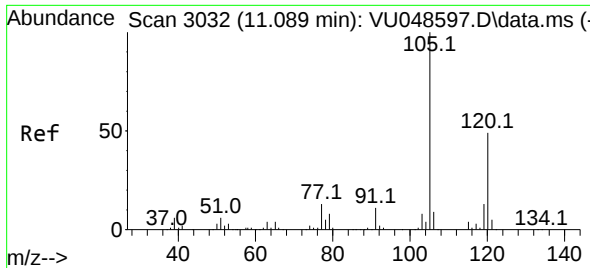
Tgt Ion: 75 Resp: 126900
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
110 42.4 32.1 48.1



#61
Isopropylbenzene
Concen: 50.498 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 105 Resp: 425153
Ion Ratio Lower Upper
105 100
120 26.7 21.0 31.6
77 15.6 12.5 18.7

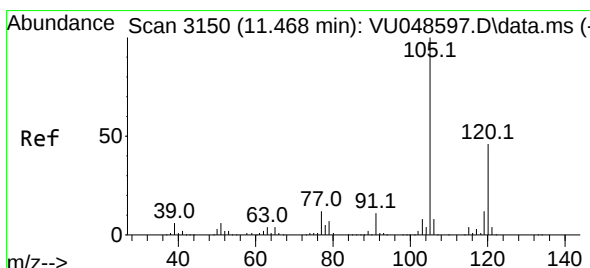
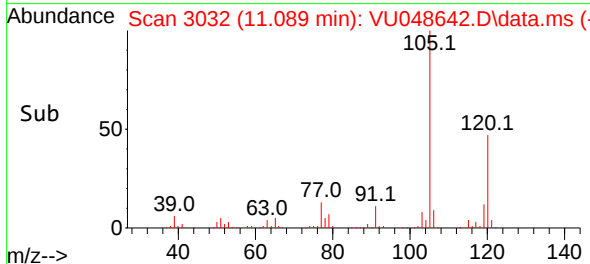
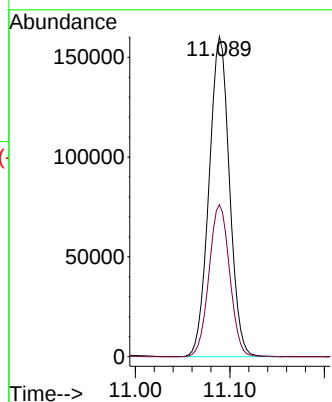
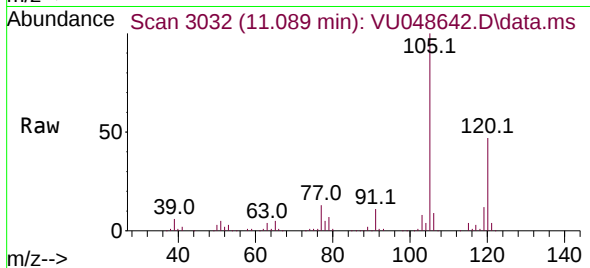




#62
 1,3,5-Trimethylbenzene
 Concen: 50.408 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

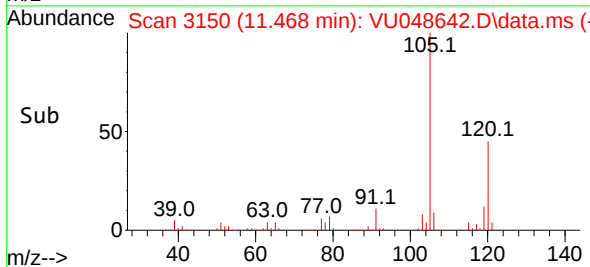
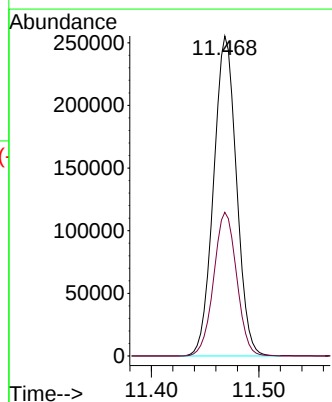
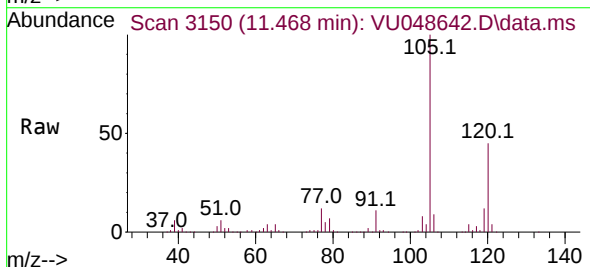
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

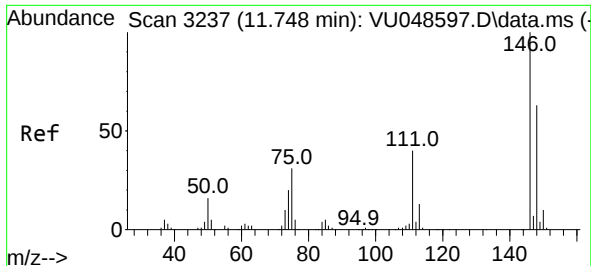
Tgt Ion:105 Resp: 241272
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.712 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

Tgt Ion:105 Resp: 377441
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.4 53.2

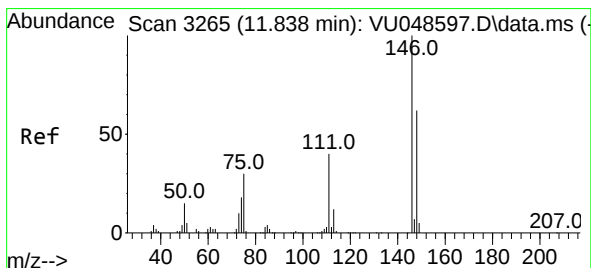
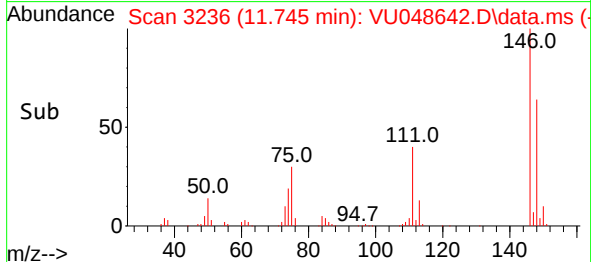
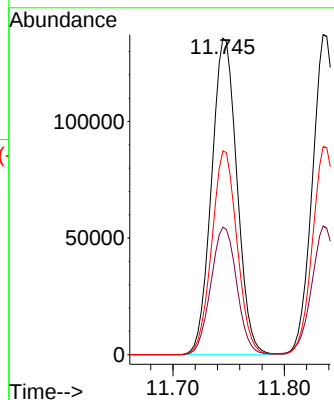
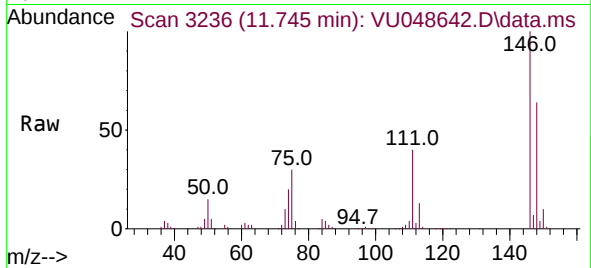




#64
1,3-Dichlorobenzene
Concen: 49.649 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

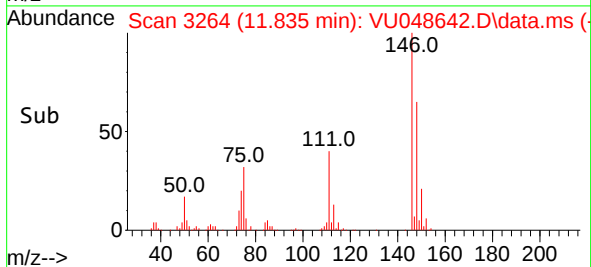
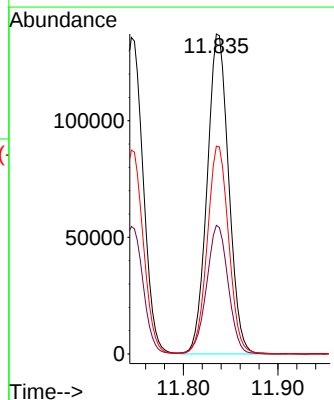
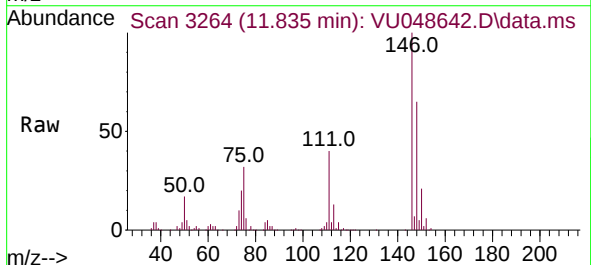
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

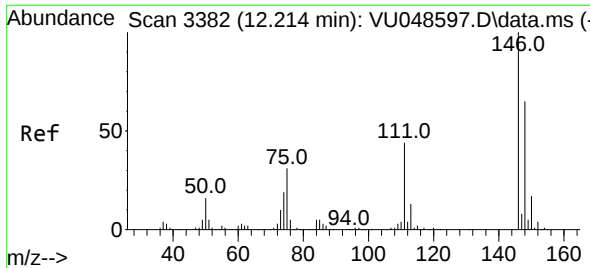
Tgt Ion:146 Resp: 215562
Ion Ratio Lower Upper
146 100
111 40.3 28.7 53.3
148 64.4 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 48.167 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion:146 Resp: 217012
Ion Ratio Lower Upper
146 100
111 40.2 27.6 51.2
148 65.0 44.2 82.2

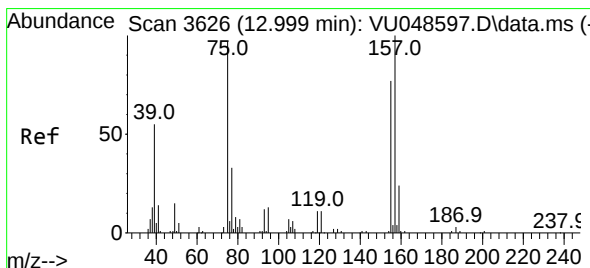
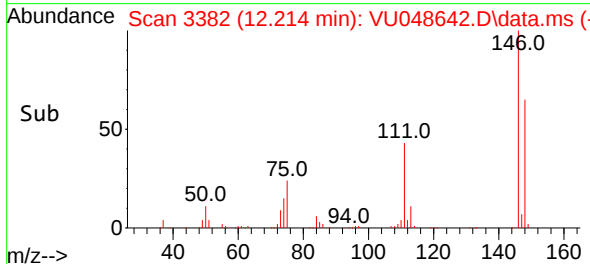
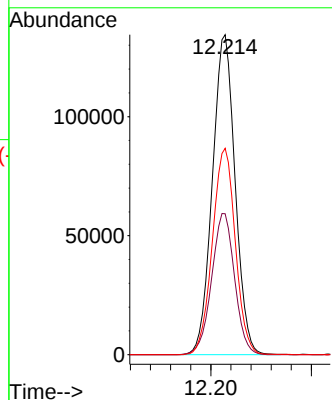
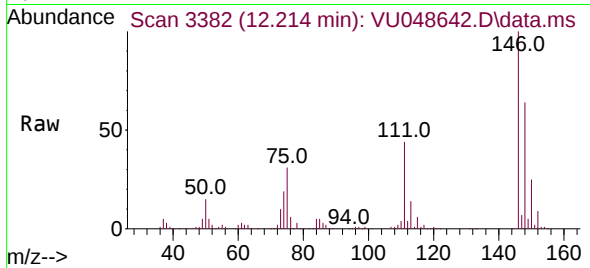




#67
1,2-Dichlorobenzene
Concen: 47.798 ug/L
RT: 12.214 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

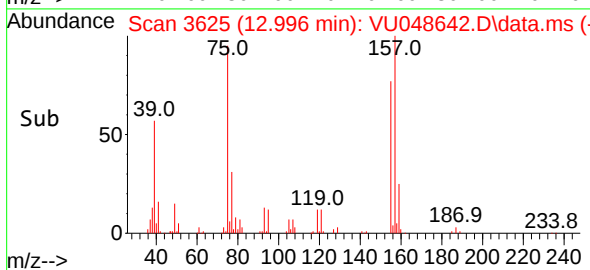
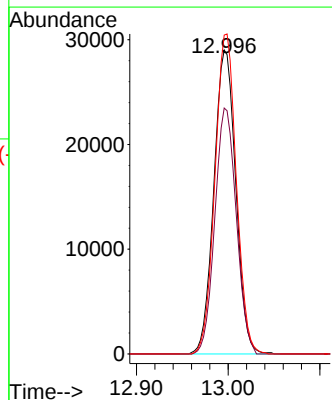
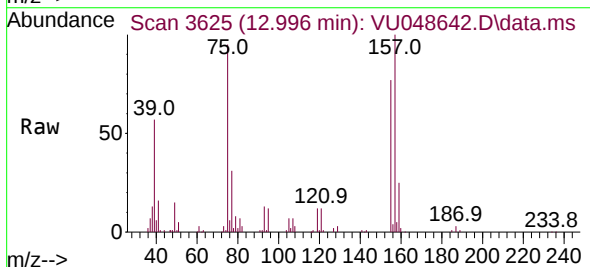
Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

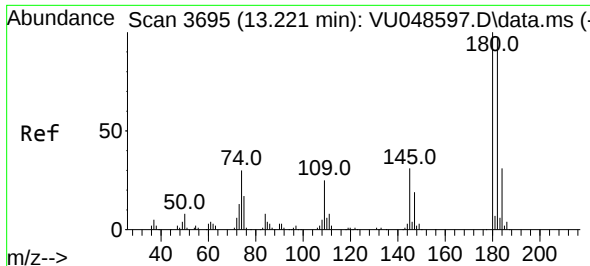
Tgt Ion:146 Resp: 211079
Ion Ratio Lower Upper
146 100
111 44.0 34.1 51.1
148 64.5 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 45.879 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. -0.003 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion: 75 Resp: 48093
Ion Ratio Lower Upper
75 100
155 80.9 63.5 95.3
157 104.9 83.5 125.3

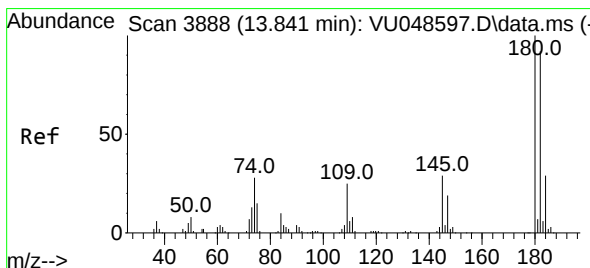
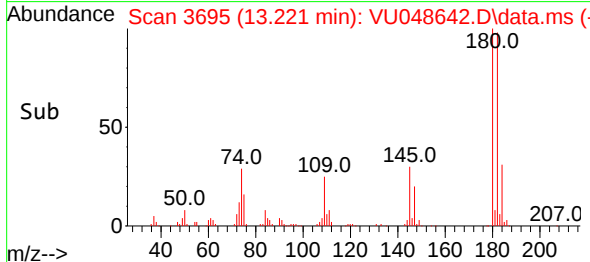
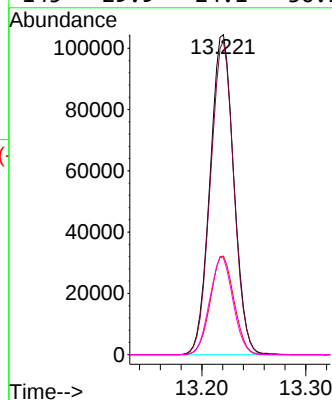
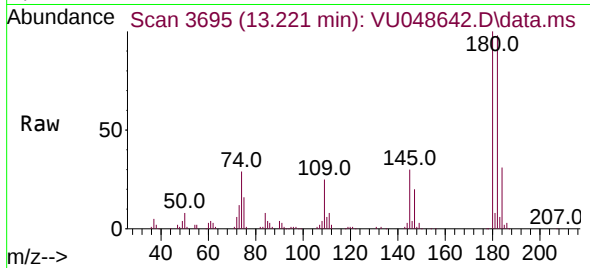




#69
 1,3,5-Trichlorobenzene
 Concen: 47.982 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

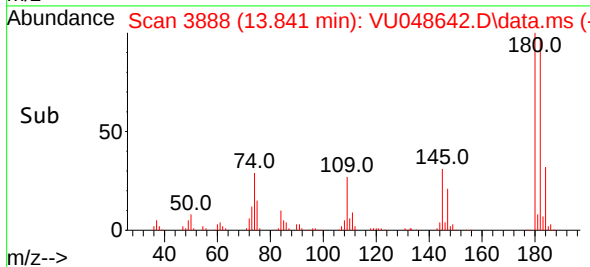
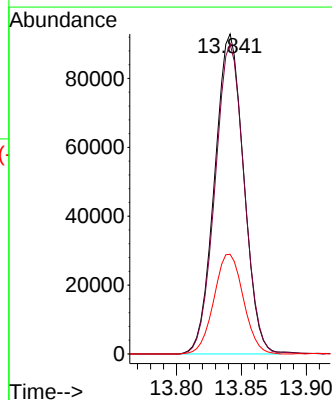
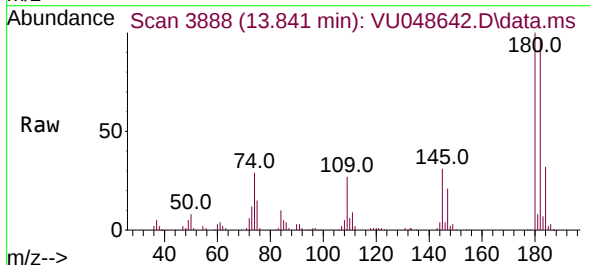
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

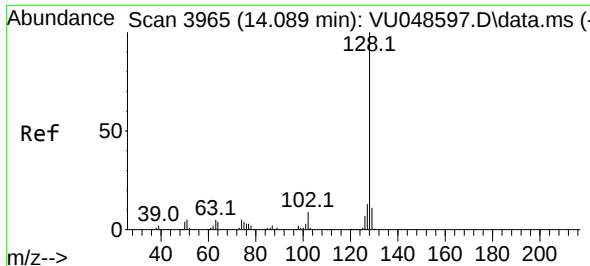
Tgt Ion:	180	Resp:	166045
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.8	113.6
184	30.6	23.4	35.2
145	29.9	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 46.218 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048642.D
 Acq: 20 May 2022 10:26

Tgt Ion:	180	Resp:	144658
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.8	113.8
145	31.5	24.9	37.3

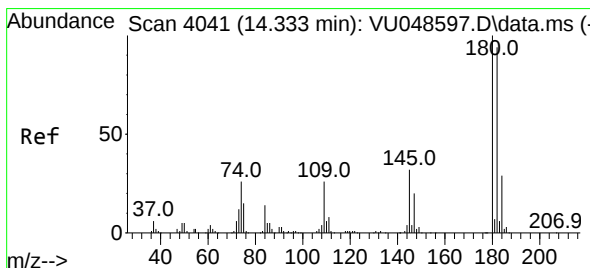
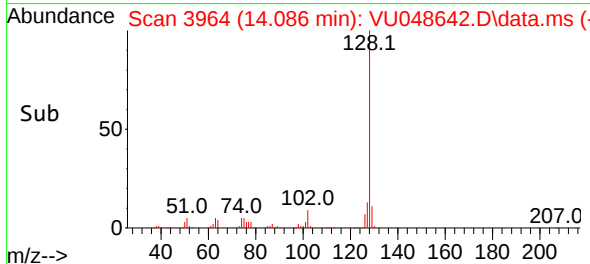
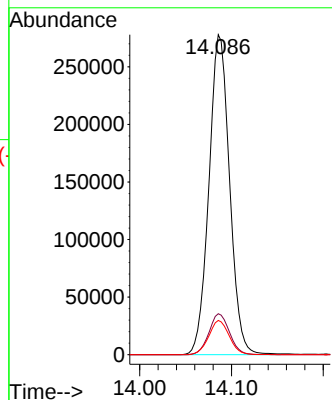
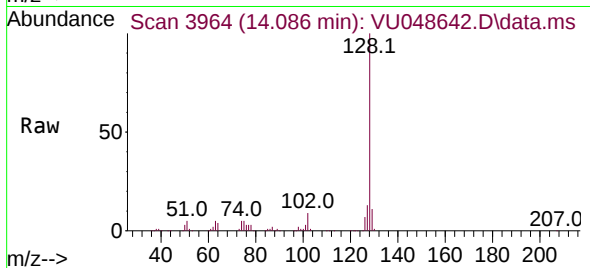




#71
Naphthalene
Concen: 42.193 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD050136

Tgt Ion:128 Resp: 435444
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 47.026 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048642.D
Acq: 20 May 2022 10:26

Tgt Ion:180 Resp: 147777
Ion Ratio Lower Upper
180 100
182 97.4 75.6 113.4
145 33.6 27.1 40.7

